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Waterer's Seeds

Bulbs and Plants

1930

Established 1892



WATERER'S SEED CATALOGUE ❖ 1930

At the approach of another planting season, it is our pleasure to put into the hands of our many customers and prospective customers, our 1930 Garden Book which we feel is more complete and better than ever, inasmuch as we have endeavored to list nothing but the most practical varieties of Seeds, Bulbs, and Plants, also a good list of novelties well worth having.

Something about Ourselves. It is our belief that it is always practical for a customer to know something about the house with which he is dealing. The family of Waterer has been interested directly in horticulture and floriculture for over 200 years, without a change of name, the original business being started in England by a direct ancestor of the present owners and still flourishing.

Hosea Waterer came here in 1876 to the Philadelphia Centennial Exposition with a number of Hybrid Rhododendrons and Azaleas which he showed at the exposition under tents and which was said to be one of the most interesting exhibits of the show, because Hybrid Rhododendrons were novelties in this country at that time.

Nearly forty years ago he started the business which bears his name, more or less as a specialist in Rhododendrons and Dutch Bulbs, also handling choice and rare varieties of seeds, imported from Europe.

It has been our honest endeavor to keep up this business in much the same style as the founder, and we do enjoy a rather good reputation for choice things in Seeds, Plants, and Bulbs.

THE STORE IS AT 714 CHESTNUT STREET

Suggestions to Customers in Ordering from This Catalogue, Which, if Followed, will be of Mutual Aid

ORDER EARLY.—We endeavor to ship all orders immediately on receipt, but during the rush season it is almost impossible, hence the importance of ordering early.

NAME AND ADDRESS.—Please write on each order your Name, Post Office, Shipping Point or nearest Express Office, your County and State. Use the order sheet enclosed in catalogue if possible.

COUNTER CUSTOMER.—We suggest to those who buy in person at our store the advantage of having their lists made out before they call. They may be left and called for later, taken at once, or shipped. In any case it is a great saving of time to the buyer. The list should have full name and address written on it so that our catalogues may be mailed to the purchaser as issued. We also urge early buying—January and February are good months.

PRICES.—It is our endeavor to maintain the prices quoted in this catalogue throughout the season, but in the event of unforeseen circumstances arising, we reserve the right to change the price of any article (in this catalogue) without notice.

FORWARDING.—We prepay postage to any post office in the United States, on vegetable and flower seeds quoted by the packet, ounce, and quarter pound. All other goods are sent by express or freight at purchaser's expense. We make no charge for delivery to freight depots or express offices in Philadelphia.

REMITTANCES should be made by Post Office Money Order, Express Money Order, Registered Letter or Draft on Philadelphia or New York banks. Small sums may be sent in loose postage stamps of small denominations.

NON-WARRANTY.—Hosea Waterer gives no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants he sends out, and he will not be responsible in any way for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

PARCEL POST RATES

WEIGHT LIMIT.—The weight limit within the First, Second, and Third Zones is now 70 pounds, and within all other Zones 50 pounds. Shipments of 20 pounds or over are cheaper if sent by express beyond the Second Zone.

DOMESTIC PARCEL POST RATES
Within the United States and Possessions

	First pound or fraction	*Each additional pound or fraction*
First zone, within 50 miles of Philadelphia	7 cts.	1 ct.
Second zone, within 50 to 150 miles of Philadelphia	7 cts.	1 ct.
Third zone, within 150 to 300 miles of Philadelphia	8 cts.	2 cts.
Fourth zone, within 300 to 600 miles of Philadelphia	8 cts.	4 cts.
Fifth zone, within 600 to 1,000 miles of Philadelphia	9 cts.	6 cts.
Sixth zone, within 1,000 to 1,400 miles of Philadelphia	10 cts.	8 cts.
Seventh zone, within 1,400 to 1,800 miles of Philadelphia	12 cts.	10 cts.
Eighth zone, all over 1,800 miles of Philadelphia	13 cts.	12 cts.

All goods sent by parcel post are at purchaser's risk, unless insured. Insurance is 5 cents for $5, 8 cents for $25, 10 cents for $50. This insures delivery only, but not damage to package.

Should you want to purchase anything needed in the garden, greenhouse, or farm, not listed in this catalogue, we will gladly fill your order at the lowest market price, or quote prices if desired.

GARDENERS' AND FARMERS' SITUATIONS.—We have, at times, the names of practical gardeners and farm managers in want of situations. If parties desiring such will write us, we shall be glad to put them in communication with men whom we deem suitable. We make no charge for this service.



Sunshine Asters

A distinct and handsome novelty type of Aster, with strong, sturdy plants that throw up long flower-stalks, providing exceptional cut-flowers. Some of the blooms have twisted petals and some quilled, but all have a cushion center of tiny quills of a contrasting color which makes the flower look as if it were covered with snowflakes. The blue flowers are dotted with a paler blue and some in white, and the rose-colored ones in a lighter shade of pink or white.

Blue White Pink Lavender

Each, pkt. 30 cts. COLLECTION: One pkt. each of the 4 colors, $1



Results of Waterer's Best Lawn Grass Mixture

HOW TO MAKE A LAWN

A WELL-MADE, well-kept lawn is a priceless possession. Nothing is more universally admired and sought for by people of good taste and discrimination. A good lawn requires intelligent effort and care. The main thing is to start right. The materials and foundation determine the quality of a lawn as much as of a building of brick and mortar.

The soil should be graded, spaded or plowed, harrowed or raked, and fertilized with commercial sheep manure or bone-meal. Unless barnyard manure is very old and rotten, it is likely to contain weed seeds which cause trouble. The surface should be pulverized and made as smooth as possible, removing clods, sticks, roots, and stones.

Well-cleaned grass seed should be chosen, consisting of a proper mixture of grasses suited to the locality and the particular location. Good seed makes a better lawn than sod. When the ground has settled and has been rolled firm, sow the seed evenly and thickly, at the rate of 5 bushels or 100 to 120 pounds to the acre. Choose a still day and make two sowings at right angles to each other to insure even distribution. A light sifting of rich soil over the seed is beneficial, or it may be lightly scratched with a rake. Firm the surface afterward with a roller or by vigorous blows with the flat of the spade. If the sowing can be done shortly in advance of a light rain it is very fortunate, but, at all events, a newly seeded lawn should not be permitted to become dried out until the grass is up and fairly well established.

Cut the new grass as soon as it will engage the blades of the mower and keep it cut regularly. All lawns, even those that are well established, should be watered well in hot, dry weather.

Old lawns should be reseeded lightly every season to maintain vigorous growth and to discourage weeds. This can be done in either spring or fall, and should follow a light raking. Two bushels, or 40 pounds, to the acre are sufficient, and it should be rolled or patted into the soil.



Waterer's Shady Place Lawn Mixture

Sow grass seed in all holes where weeds have been dug. Should dead spots appear in the lawn, spade them up, working plenty of fertilizer into the soil and sow seed at the rate of 1 pound for every 100 square feet, keeping the spots well rolled and watered. An annual application of commercial manure or bone-meal should be given every spring, applying it at the rate of 800 pounds to the acre.

In the latitude of Philadelphia, the seed may usually be sown from March 20 to June 20 and from August 15 to October 15, preferably in the early spring or early fall to get the benefit of the rains. A quiet day should be chosen, so the seed can be sown evenly. It is best to make two sowings, the second at right angles to the first; this insures more even distribution. After sowing the seed it should be harrowed or raked in and then the ground should be rolled. One pound is sufficient for 100 square feet, 100 to 120 pounds for an acre; or for renovating old lawns, about half that quantity.



Waterer's Special Evergreen Lawn Mixture

WATERER'S GRASS SEED MIXTURES FOR LAWNS AND PLEASURE GROUNDS

EQUAL TO ANY — SUPERIOR TO MANY — SECOND TO NONE

If Grass Seed is wanted by parcel post, please add for postage at your zone rate. See second cover page

Waterer's Best Lawn Grass Mixture

A combination of various American and European types of fine-leaved, deep-rooting grasses of interweaving habit, that flourish under our trying conditions of sunshine and drought, and good, bad and indifferent soils, growing during different periods of the year, so that it maintains a close, velvety surface which does not burn brown in summer and is not killed by hard freezing. This Best Mixture has been given the utmost care and selection to keep it strictly of the highest grade, to insure a perfect and luxuriant lawn with closely interwoven, firm, and elastic turf, which is usually ready for cutting six weeks after sowing. Highly recommended. Pt. 30 cts.; qt. 50 cts.; pk. $3.25; bus. (20 lbs.) $12.

Waterer's Special Evergreen Lawn Mixture

is composed of the best natural lawn grasses in the proper proportions of enough varieties to insure a good stand of grass in a wide diversity of soils and situations. It includes sorts for both dry and damp soils, for acid and limey ground, and, in fact, there are seeds of enough varieties for different purposes to make sure of a smooth even stand and a lawn continually green and flourishing under almost all ordinary conditions of climate, and able to withstand hard usage. Pt. 25 cts.; qt. 45 cts.; pk. $2.75; bus. (20 lbs.) $10.

Waterer's Mixture for Shady Places

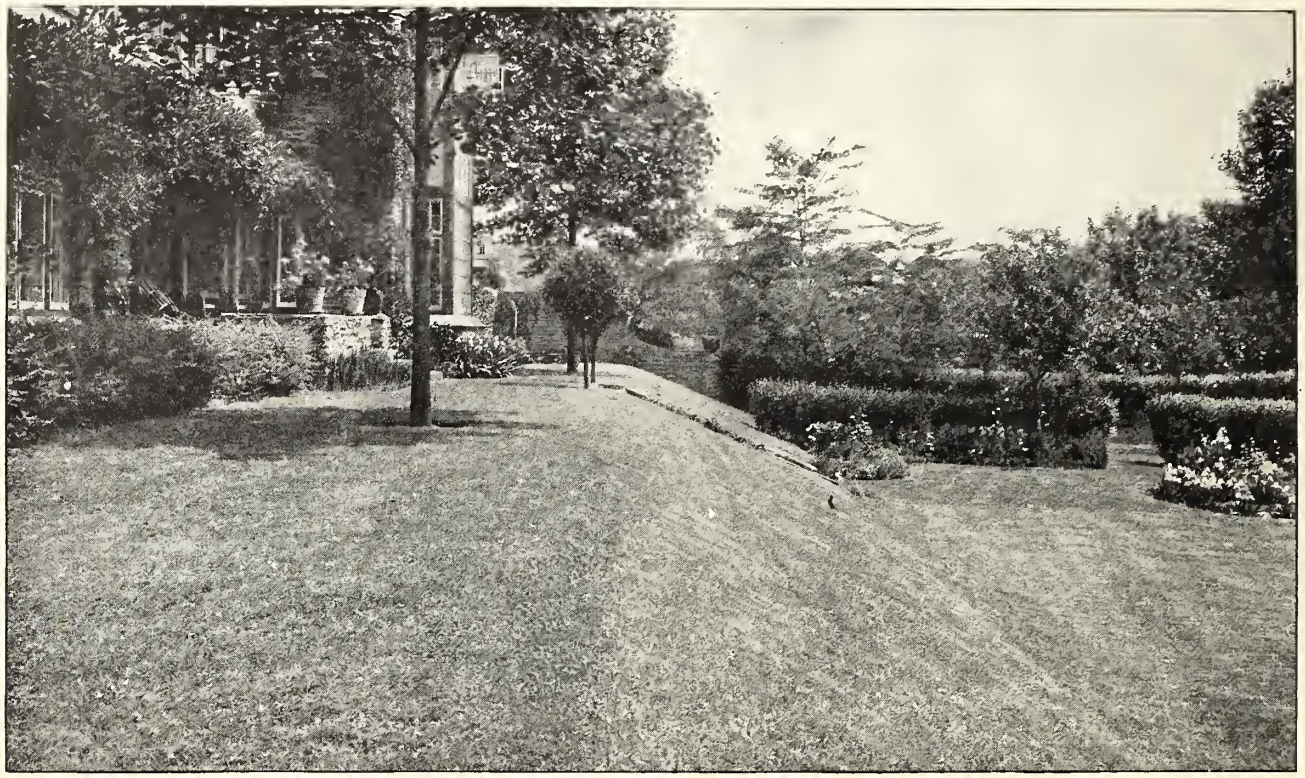
There are always spots under trees and in the shadow of buildings where the sun-loving grasses will not grow. For places of this kind we have prepared a careful mixture of those grasses which naturally thrive in the shade. This mixture consists of the highest grade of recleaned seeds, and should produce a good lawn in difficult shady places. Even shade-loving grasses will not grow under trees without being watered because the tree roots are very greedy and absorb the moisture from the surface quickly. Pt. 25 cts.; qt. 45 cts.; pk. $2.75; bus. (20 lbs.) $10.

Waterer's Popular Evergreen Lawn Mixture

In this mixture the quantities of some of the more expensive grasses are reduced or left out. Produces a thick turf, well adapted to hard usage. Pt. 20 cts.; qt. 35 cts.; pk. $2.15; bus. (20 lbs.) $8.

Waterer's Fairmount Park Mixture

A superior grade of lawn grasses of the more enduring, strong-rooting, drought-resisting kinds, blended to form a high-class utility mixture for broad planting of wide spaces. Pt. 20 cts.; qt. 30 cts.; pk. $1.90; bus. $7.



Waterer's Terrace Mixture

A special mixture of grasses best suited for sowing on terraces and side-hills—grasses that produce strong, spreading roots, thus preventing heavy rains from washing them out, that will withstand drought and exposure, thrive on shallow soils and at the same time produce a rich green turf throughout the season. Pt. 25 cts.; qt. 45 cts.; pk. $2.75; bus. (20 lbs.) $10.

Waterer's Seashore Lawn Grass Seed

A special mixture of grasses peculiarly suited for seaside lawns, composed of strong-rooted varieties which will quickly produce a good turf. Pt. 25 cts.; qt. 45 cts.; pk. $2.75; bus. (20 lbs.) $10.

Waterer's Tennis Court Mixture

A mixture of fine grasses for tennis courts, which will make a firm, green and lasting turf. Pt. 25 cts.; qt. 45 cts.; pk. $2.75; bus. (20 lbs.) $10.

Waterer's Athletic Field Mixture

The grasses in this mixture are carefully selected for their rapid growth, deep-rooting qualities, and durability, and will furnish a permanent sod that will withstand hard usage. Pt. 20 cts.; qt. 35 cts.; pk. $2.15; bus. $8.

Waterer's Golf Link Mixture

The grasses in this mixture will produce a rich green turf that will resist tramping and hard wear and will retain its color during the severest drought. Sow 100 pounds to the acre. Pt. 20 cts.; qt. 35 cts.; pk. $2.15; bus. $8.

Waterer's Putting-Green Mixture

A mixture of very fine-bladed varieties of grasses suitable for the production of a close, thick, fine turf. Pt. 40 cts.; qt. 75 cts.; pk. $4.75; bus. (25 lbs.) $18.

White Dutch Clover Seed

Excellent for use on lawns; forms a close herbage and remains green throughout the season. We furnish the choicest grade of seed. Lb. 85 cts.; 5 lbs. $4; 10 lbs. $7.75; bus. (60 lbs.) $45.



Waterer's Permanent Pasture and Hay Mixture. Far superior to any other mixture for producing permanent hay and pasture. A mixture of varieties which will form a permanent pasture that lasts for years. Composed chiefly of native and acclimated grasses, which have been found to be best. These are blended in their proper proportions to give the desired results. Sow on new land which has been plowed and harrowed, at the rate of 60 pounds per acre; on ground partly covered, about 30 pounds per acre. Pk. $1.75; bus. (20 lbs.) $6.50.

FANCY RECLEANED GRASS SEEDS

Owing to the variations in market value, the prices quoted below are subject to change without notice
Write for special prices on larger quantities

Bent, Certified Prince Edward Island. A pure, hardy strain of *Agrostis tenuis* grown on Prince Edward Island, Canada, where severe winters prevail, and has proved exceptionally hardy. Forms an ideal turf of dark green color and uniform in texture. Lb. $2.

Bent, Creeping (*Agrostis Species or South German Mixed Bent*). Well adapted for most soils. Makes thick velvety putting greens and is very fine-leaved. Lb. $1.25.

Blue Grass, Canada (*Poa compressa*). A suitable grass for hard, dry soils. Excellent for rooting on steep places. Sow 60 pounds to the acre. Lb. 40 cts.

Blue Grass, Kentucky (*Poa pratensis*). This is suited to a variety of soils and is largely used as a pasture grass. It is unusually early, and presents a beautiful green appearance in early spring when other grasses are still dormant; revives with first rainfall after a long drought. Sow 60 pounds to the acre. Lb. 50 cts.

Crested Dog's-Tail (*Cynosurus cristatus*). A hardy permanent grass for lawn and permanent pasture. Lb. 55 cts.

Fescue, Chewing's New Zealand (*Festuca*). Especially recommended for golf putting greens and lawns; succeeds on all soils. Lb. 60 cts.

Fescue, Fine-leaved Sheep's (*Festuca ovina tenuifolia*). The leaves are small, wire-like, very fine but tough and stiff. The color is beautiful dark green. Valuable for lawns subjected to hard wear, tees, and putting greens. Lb. 75 cts.

Fescue, Hard (*Festuca duriuscula*). A dwarf-growing, early, very hardy, robust grass, succeeding well in dry soils and fine for permanent pasture. Sow 30 pounds to the acre. Lb. 45 cts.

Fescue, Meadow (*Festuca pratensis*). One of the finest grasses for permanent pastures, highly nutritious and relished by stock. Succeeds well in all soils but best on moist land. Robust in habit and grows over a long season. Sow 50 to 70 pounds to the acre. Lb. 35c.

Fescue, Red or **Creeping** (*Festuca rubra*). Fine for lawns. Resists drought; valuable for seeding embankments and exposed locations, as it binds the soil. Forms a very close, durable turf; much used on putting greens. Lb. 50 cts.

Fescue, Sheep's (*Festuca ovina*). Short and dense in growth; excellent for lawns. Lb. 45 cts.

Orchard Grass (*Dactylis glomerata*). A deep-rooted, very nutritious grass; does well in shady places and is of great value for hay and permanent pasture. Lb. 40 cts.

Redtop, Fancy Recleaned (*Agrostis vulgaris*). An excellent grass for lawns and pastures. We offer only fancy, recleaned seed, entirely free from chaff. Lb. 40 cts.

Rough-stalked Meadow Grass (*Poa trivialis*). No grass is better adapted for pleasure-grounds, particularly under trees, as it will not only grow in such places, but forms a fine sward where few other grasses can exist. A fine grass for dry ground under bay-windows, overlapping roofs and shady side yards. Sow 20 to 25 lbs. to the acre. Lb. 75 cts.

Ryegrass, English (*Lolium perenne*). Invaluable for permanent pastures, as it forms compact sward, remains bright and green throughout the season, and is a rapid grower. Sow 60 pounds to the acre. Lb. 25 cts.

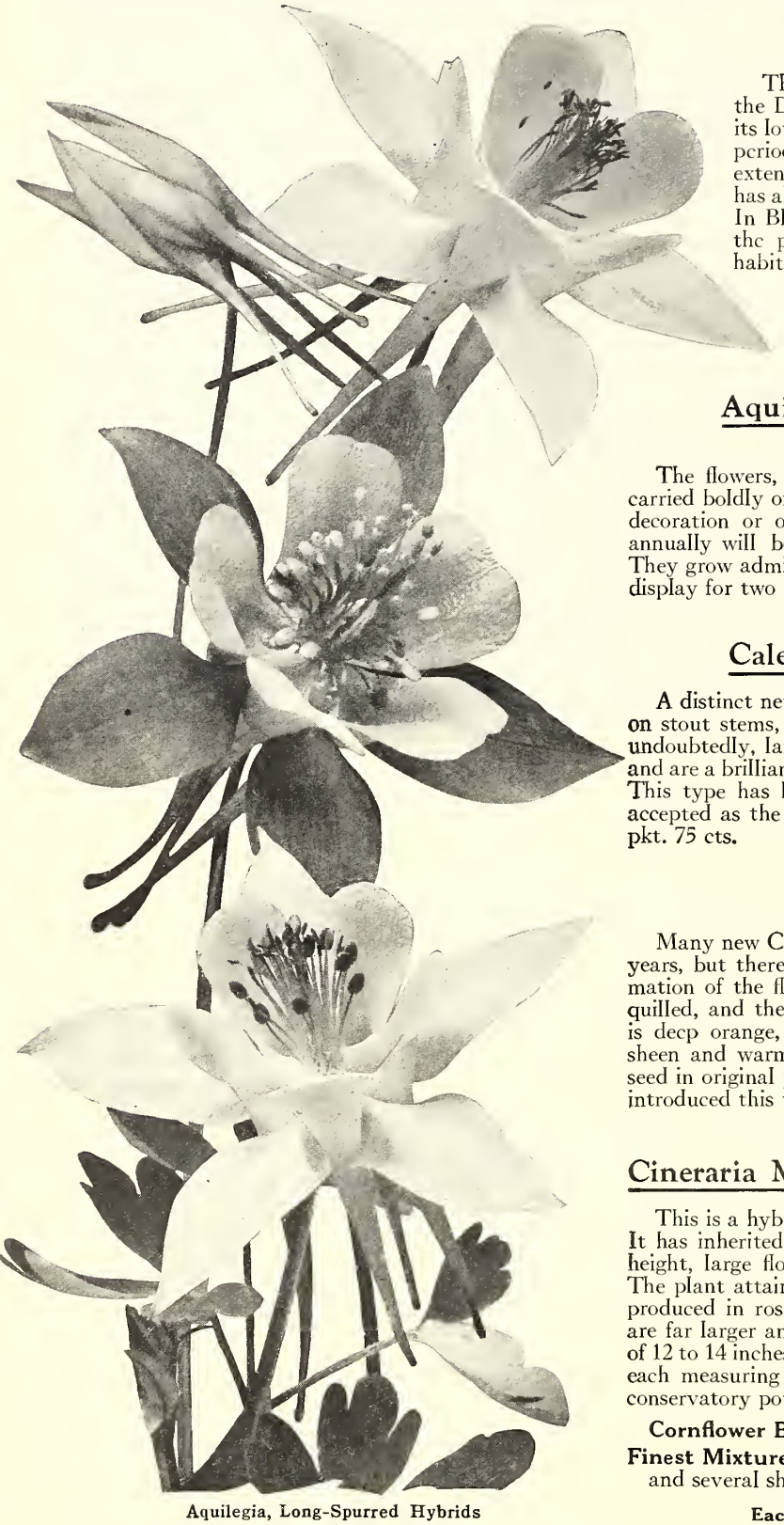
Ryegrass, Italian (*Lolium italicum*). Thrives on any good soil and is unequaled for producing feed early in the spring as well as throughout the season. Responds quickly to rich food and moisture, and is a rapid grower. Sow 60 lbs. to the acre. Lb. 30 cts.

Sweet Vernal, True Perennial (*Anthoxanthum odoratum*). Valuable for lawns and pasture. Emits a very fragrant odor when cut. Lb. 75c.

Timothy (*Phleum pratense*). **XXX** fancy, recleaned. Either alone or with redtop and clover, it furnishes the best hay. Lb. 20 cts.

Wood Meadow Grass (*Poa nemoralis*). Grows well in shade. Lb. $1.

RECENT NOVELTIES AND SPECIALTIES for 1930



Aquilegia, Long-Spurred Hybrids

Annual Anchusa, Bluebird

The perennial Anchusa, in its highest development, the Dropmore Variety, is deservedly popular because of its lovely bright blue flowers, its floriferousness, and long period of bloom. This esteem has been shared to some extent by the Annual Anchusa, but its straggly habit has always been a drawback, especially for small gardens. In Bluebird this fault has been entirely eleminated and the plant grows about 18 inches high, is of compact habit, and bears its flowers in a luxuriant bouquet at the top. The vivid, indigo-blue blooms afford a brilliant effect in any scheme for the decoration of beds and borders. Pkt. 35 cts.; 3 pkts. 90 cts.

Aquilegia, Long-Spurred Hybrids

Mrs. Scott Elliott's Strain

The flowers, in shades of orange, mauve, terra-cotta, etc., are carried boldly on thin wiry stems, admirably fitting them for table decoration or other light decorative work. A few plants raised annually will be certain to provide some new shade and tint. They grow admirably in half shady places and make a wonderful display for two months or more. Pkt. 25 cts.; large pkt. 75 cts.

Calendula, Campfire (Sensation)

A distinct new type. It is a vigorous grower, with flowers borne on stout stems, and needs little disbudding. The flat blooms are, undoubtedly, larger than those of any type previously introduced, and are a brilliant orange with a scarlet sheen, and full yellow center. This type has been thoroughly tested under glass and has been accepted as the best orange forcing Calendula. Pkt. 25 cts.; large pkt. 75 cts.

Calendula, Radio

Many new Calendulas have been introduced during the past few years, but there has not hitherto been a distinct break in the formation of the flower. The petals of this new type are beautifully quilled, and the flower is extremely globular in shape. In color it is deep orange, and the formation of the petals gives an added sheen and warmth of tone that is very attractive. We offer this seed in original packets obtained directly from the grower who first introduced this variety. Pkt. 35 cts.; 3 pkts. 90 cts.

Cineraria Multiflora Grandiflora Maxima Nana

This is a hybrid of *C. multiflora nana* and *C. grandiflora maxima.* It has inherited the floriferousness of the former variety, and the height, large flowers, and wonderful shades of the latter variety. The plant attains a height of about 12 to 16 inches. Its foliage is produced in rosettes similar to *C. multiflora nana,* but the leaves are far larger and more imposing. The flower-head has a diameter of 12 to 14 inches, and produces as many as a hundred single blooms, each measuring up to 3 inches in diameter. Altogether an ideal conservatory pot plant.

Cornflower Blue **Salmon-Rose** **Fiery Crimson**

Finest Mixture. Colors ranging from the palest rose to dark red, and several shades of blue.

Each, pkt. $1; 1 pkt. each of 3 colors, $2.50

RECENT NOVELTIES AND SPECIALTIES for 1930

Coreopsis, Mayfield Giant

This very fine perennial Calliopsis, of Australian origin, is a considerable advance on any strain yet introduced of this highly ornamental and very useful flower. It produces a taller and more vigorous plant than the type, with longer and firmer stems and larger individual blooms, of which the ray petals are broader and form a more perfect corolla. The color is the same familiar yellow, if anything a shade more intense. Both for the border and for cutting we can strongly recommend this excellent new strain. Pkt. 25 cts.; 3 pkts. 65 cts.

Dahlia, Coltness Improved Hybrids

In offering this special selection of Coltness Hybrids, we feel confident that our customers will find it a great advance on the type already offered, containing, as it does, some lovely colors not hitherto found in Dahlias. The color of these selected hybrids is very comprehensive, ranging from deep crimson to white, and embracing delicate pinks and rose, as well as yellows, mauves and various shades of scarlets and purples. The habit of the plant is also improved, being dwarfer and more compact, averaging about 15 inches high. Pkt. 25 cts.; 3 pkts. 65 cts.

Delphiniums, Hollyhock Strain (Wrexham Type)

These are the greatest advance in Delphiniums to date. Their graceful, spire-shaped spikes of enormous size and beauty of form are rapidly bringing them to the front as the most popular flower for cutting or the garden. This mixture contains all the colors in Delphiniums, including both double and single flowers, and has been greatly praised by professional Delphinium growers. Pkt. $1; 3 pkts. $2.50.

Dimorphotheca, Ringens

A very beautiful and easily grown annual of compact habit, growing 8 to 10 inches high. The flowers are more refined than most of the daisy class, and being of a pure glistening white with blue zone, are highly attractive. The plant is also extremely free-flowering, and we consider it deserving a place in every garden. Pkt. 35 cts.; 3 pkts. 90 cts.

Gaillardia Grandiflora, Dazzler

Few flowers rival the Gaillardia for making a gorgeous display in the garden and this fine new variety is an advance on all others of its class. It produces large flowers, often 4 to 5 inches across, of bright golden yellow with rich maroon-red center, the two tints well-balanced and in harmonious proportion. The plant is vigorous, throwing up a profusion of long, erect flower stalks which provide excellent material for cutting and are unsurpassable for table decoration. Pkt. 25 cts.; large pkt. 75 cts.

Gaillardia Grandiflora, Portola Hybrids

A superb new strain of Gaillardia of upright habit, bearing flowers of very large size, the colors ranging through shades of bronzy red with the characteristic golden tipped petalage. A splendid flower. Pkt. 25 cts.; 3 pkts. 65 cts.

Marigold, Guinea Gold

This is a very distinct type of Marigold of graceful, pyramidal habit, growing 2 to 2½ feet high and producing an abundance of flowers 2 to 2½ inches across of a brilliant shade of orange flushed with gold. Unlike the ordinary African Marigold, this variety produces no single flowers, but practically 100 per cent semi-double. The characteristic Marigold odor too is much less pungent than in the other sorts. Pkt. 50 cts.; 3 pkts. $1.35.



Hollyhock Strain (Wrexham Type) Delphinium

The illustration shows the sturdy, branching habit of the new Wrexham Delphiniums. The flowers are enormous and well deserve the praise which they have received everywhere.

RECENT NOVELTIES AND SPECIALTIES for 1930

Five Beautiful Annual Larkspurs

A new strain of this popular, easily grown annual with a wonderfully improved new form and upright habit similar to the perennial Delphinium. The long, straight, upright spike makes it ideal as a cut-flower.

La France. Large, well-formed, double flowers of a pleasing shade of salmon-pink.
Exquisite Pink Improved. Beautiful soft pink; long, graceful upright spikes.
Exquisite Rose. A lovely shade of rose-pink.
Rosy Scarlet. Lovely color. A great favorite.
White Spire. Long spikes of dazzling pure white.

Each, pkt. 25 cts.; large pkt. 75 cts.
COLLECTION: One pkt. each of the above 5 varieties, $1



Exquisite Pink Improved Larkspur

Meconopsis Baileyi

This beautiful blue perennial Poppy, brought from Tibet, throws up from its root-stock half a dozen leafy stems 2 to 3 feet high, well furnished with broad sea-green leaves, and bearing freely at their heads large four-petaled blooms of a *glorious sky-blue color*, the effect of which is enhanced by a central zone of golden yellow anthers. This superb plant has been awarded a First-Class Certificate and an Award of Merit by the Royal Horticultural Society. It is hardy, and should soon become one of the most popular plants in cultivation. Pkt. 50 cts.; 3 pkts. $1.25.

Papaver nudicaule, Coonara Pinks

This is a new type of Iceland Poppies introduced from Australia and is becoming very popular. It contains many beautiful shades of light pink and salmon-pink as well as orange and yellow. The flowers are of very good substance, very large, borne on long, wiry stems, a distinct novelty in *Papaver nudicaule*. Pkt. 35 cts.; 3 pkts. 90 cts.

Papaver nudicaule, Sunbeam Improved

Introducing new colors of the deservedly popular Iceland Poppies in new tints such as maize, cream, and various shades of rose. The flowers, too, are much larger, and are borne on long, wiry stems. A great advance on already existing strains. Pkt. 25 cts.; 3 pkts. 65 cts.

Papaver orientale, The Feltham

A new departure in Oriental Poppies, originating in Europe some years ago, and by dint of continued selection the originators have succeeded in fixing a distinct and valuable strain. It has all, or nearly all, the various shades of the type—scarlet, orange-scarlet, apricot, etc.—but with no black blotches at the base of petals; the flowers are thus all self-colored. Feltham Strain has a great future as a brilliantly decorative hardy perennial. Pkt. 50 cts.; 3 pkts. $1.25.



Scabiosa, Peach Blossom

New Giant Scabiosas

Peach Blossom. Flowers beautiful shade of peach-blossom-pink of large size and borne on long stems. An excellent cut-flower. Highly commended by the Royal Horticultural Society of Great Britain. Pkt. 25 cts.; large pkt. 75 cts.
Shasta. A pure white of enormous size, the flowers measuring 3½ inches across, with extremely long stems. Pkt. 25 cts.; large pkt. 75 cts.

Scabiosa caucasica, Giant Hybrids

Caucasica Hybrids are a great improvement over the *S. caucasica*, being more vigorous, with bigger and longer stems and larger and heavier petals, which are ruffled and frilled on the edges. In this hybrid strain you will find colors ranging from white to the darkest blue, but the predominating shades are delicate lilac and mauve. *S. caucasica* is now becoming popular for growing under glass, and this strain of hybrids will greatly increase their popularity. Pkt. 35 cts.; 3 pkts. 90 cts.

RECENT NOVELTIES AND SPECIALTIES for 1930



Sweet Wivelsfield

A New Race of Hardy Annual, Sweet Wivelsfield

This remarkable hybrid is quite distinct in method of flowering and habit of growth from the annual Sweet William. Few plants can compare with Sweet Wivelsfield for wealth of color and long season of bloom. Pkt. 50 cts.; 3 pkts. $1.35.

Verbena hybrida

Grandiflora, Royale. This is a Verbena of enormous size, the individual florets measuring over an inch and a quarter in diameter. The color is a rich, deep royal blue, with a large creamy yellow eye. Pkt. 25 cts.; large pkt. 75 cts.

Grandiflora, Helen Willmott. A beautiful bright salmon-rose, with white eye; very large flowers. Pkt. 25 cts.; 3 pkts. 65 cts.

Compacta, Royal Bouquet. It forms a plant 15 to 18 inches high and not more than 10 inches across, no lateral branches being thrown out, and what gives this novelty its special value is the fact that the flowers will compare in size and variety of color with those of the finest strains of Auricula-eyed Verbena. Pkt. 35 cts.; 3 pkts. 90 cts.

Verbena, Giant-flowered

A magnificent new strain of Verbenas, of robust compact habit and free blooming. Immense trusses, the individual florets measuring an inch in diameter. These Verbenas are fixed and come true from seed.

	Pkt.	Large pkt.
Blue, White Eye	$0 25	$0 75
Lucifer. An improved strain. Vivid scarlet self	25	75
Luminosa. Luminous flame-pink, shading to salmon	25	75
Pure White	25	75
Rosa Stellata. Rose-pink, white eye	25	75
Violacea Stellata. Deep violet, white eye	25	75

COLLECTION: One pkt. each of the above 6 colors, $1.25

Verbena, New Dwarf Compact Fireball

A dwarf, compact Verbena, about 6 inches high, literally covered with bright scarlet blooms. Excellent for borders and beds, comes absolutely true from seed. Pkt. 35 cts.; 3 pkts. 90 cts.

Viola cornuta, Blue Gem (Jersey Gem)

Few plants are of more general usefulness in the garden than *Viola cornuta* and its varieties, and the good qualities possessed by these plants are present in even greater measure in this new sort. Blue Gem forms a large, compact plant, producing a continuous profusion of bloom for a very long period—considerably longer than other Cornuta varieties. The flowers are a very pleasing shade of deep violet-blue, with an occasional very slight variation in tint, and may be relied on to come about 70 per cent true from seed. Has a wonderful power of resisting drought, the plants continuing to throw up flowers long after other varieties are withered. Pkt. 25 cts.; 3 pkts. 65 cts.

Zinnia, Double California Giants

The great advantage of this type is that the very large flowers are imbricated and flat, getting away from the conical type of the Giant-flowered and eliminating the stiffness that has been objectionable in Zinnias in the past. The blooms, from the time they open, are attractive, making a fine cut-flower. They are twice the size of the ordinary double giants.

	Pkt.	Large pkt.
Enchantress. Tyrian rose	$0 20	$0 50
Lemon Queen. Lemon-orange	20	50
Orange King. Burnt-orange	20	50
Pink Profusion. Delicate shrimp-pink	20	50
Purity. White	20	50
Scarlet Gem. Glowing scarlet	20	50
Mixed	20	50

COLLECTION: One pkt. each of the above 6 varieties, $1

Double Dahlia-flowered Zinnias

This is the greatest advance in this popular flower since the introduction of the Grandiflora types. Since first disseminated, about five years ago, it has attained a widespread popularity comparable with no other flower that is at once so easily grown and universally admired. It is so adaptable to various soils and climatic conditions that it is hard to conceive of a location where it will not prove a money-maker for the cut-flower grower, while it will always rank high as a wonderful garden flower on private estates. In the list below of named varieties we are giving the raisers' descriptions which have in every case proved true in our trials.

	Pkt.	Large pkt.
Buttercup. Deep buttercup-yellow	$0 20	$0 50
Crimson Monarch. Deep crimson flowers	20	50
Dream. Deep lavender, turning to purple	20	50
Exquisite. Light rose, deep rose center	20	50
Lemon Beauty. Lemon-yellow on brown	20	50
Oriole. Orange and gold	20	50
Polar Bear. Pure white	20	50
Scarlet Flame. Beautiful bright scarlet	20	50
Mixed. All colors	Oz. $2	15 35

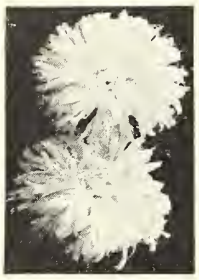
COLLECTION: One pkt. each of the above 8 colors, $1.35


Ageratum


Cosmos


Lupins


Primulas


Comet Aster


Delphinium


Digitalis

Flowers and Plants for Different Purposes and Situations

WHICH CAN BE GROWN FROM SEED

FLOWERING ANNUALS

Including some perennials which flower the first season from seed. Those marked * are the best for massing in beds and borders.

Abronia
Acroclinium
*Ageratum
*Alyssum
*Antirrbinum
*Arctotis
*Aster
Balsam
Begonia
*Calendula
*Calliopsis
*Candytuft
*Celosia
*Centaurea
Chinese Wool Flower
*Chrysanthemum
*Clarkia
*Coreopsis
*Cornflower
*Cosmos
Daisy
*Dianthus
*Dimorphotheca
*Eschscholtzia
*Gaillardia
*Godetia
Gonphrena
Gypsophila
Helianthus
Helichrysum
*Hunnemannia
Jacobaea
Kaulfussia
*Larkspur
Limnanthes
*Linum
Lobelia
*Lupinus
*Marigold
Marvel of Peru
Mignonette
Myosotis
*Nasturtium
Nemophila
Nicotiana
*Nigella
*Pansy
*Petunia
Phacelia
*Phlox
Pinks
*Poppy
Portulaca
Rhodanthe
Salpiglossis
*Salvia
Saponaria
Scabiosa
Schizanthus
Stevia
*Stocks
Sunflower
Sweet Peas
*Tagetes
Verbena
*Zinnia

FLOWERING PERENNIALS

Aconitum
Adonis
Anchusa
Anemone
Aquilegia
Arenaria
Armeria
Asclepias
Aubrietia
Auricula
Bellis
Boltonia
Campanula
Carnation
Chelone
Chrysanthemum
Coreopsis
Daisy
Delphinium
Dictamnus
Digitalis
Echinops
Edelweiss
Eremurus
Erigeron
Eryngium
Eupatorium
Gaillardia
Gypsophila
Helianthemum
Heliopsis
Hollyhock
Inula
Liatris
Lobelia
Lupinus
Lychnis
Myosotis
Nierembergia
Oenothera
Pentstemon
Phlox
Platycodon
Polemonium
Polyanthus
Poppy, Orientale
Pyrethrum
Salvia
Saxifraga
Scabiosa Caucasica
Shasta Daisy
Stachys
Statice
Sweet William
Thalictrum
Trollius
Verbascum
Viola
Violet
Wallflower

FRAGRANT FLOWERS

Alyssum
Candytuft
Carnation
Centaurea
Cyclamen
Dictamnus
Heliotrope
Lupinus
Mignonette
Mimulus Moschatus
Nicotiana Affinis
Polyanthus
Scabiosa
Stocks
Sweet Peas
Sweet William
Violet
Wallflower

ORNAMENTAL FOLIAGE PLANTS

Amaranthus
Centaurea Candidissima
Cineraria Maritima
Coleus
Kochia
Pyrethrum
Ricinus

EDGING AND BORDER PLANTS

Ageratum
Alyssum
Arenaria
Armeria
Aubrietia
Begonia
Bellis
Candytuft, Dwarf
Centaurea Candidissima
Cineraria Maritima
Daisy
Dimorphotheca
Kaulfussia
Lobelia
Marigold, French
Myosotis
Nasturtium, Tom Thumb
Nemophila
Pansies
Petunia, Rosy Morn
Phacelia
Phlox Drummondi
Polyantbus
Pyretbrum
Stacbys
Tagetes Signata Pumila
Viola
Violet

VARIETIES FOR SHADED AND PARTIALLY SHADED PLACES

Adlumia
Aquilegia
Auricula
Begonia, Tuberous
Bellis
Cineraria
Clarkia
Daisy
Dictamnus
Digitalis
Godetia
Kenilworth Ivy
Lobelia Cardinalis
Mimulus
Myosotis
Nemophila
Polemonium
Polyantbus
Primula
Saxifraga
Viola
Violet

PLANTS FOR HANGING BASKETS. ETC.

Alyssum
Asparagus Sprengeri
Begonia
Kenilworth Ivy
Lobelia
Maurandia
Nasturtium
Nierembergia
Petunia
Thunbergia

CLIMBING ANNUALS

Balloon Vine
Canary Bird Vine
Cardinal Climber
Cobæa Scandens
Cypress Vine
Dolichos
Echinocystis
Humulus
Ipomœa
Momordica
Nasturtium
Scarlet Runner Bean


Mignonette


Eschscholtzia


Nasturtium


Sweet Peas

FLOWER SEED COLLECTIONS, SEE NEXT PAGE

WATERER'S SUPERB

Flower Seed Collections

THESE special collections have been carefully prepared to secure a continued succession of bloom, and to provide flowers for both cutting and garden decoration. They are time-savers for busy people, who desire good, dependable flowers, but lack time or experience to choose the best from the bewildering number of varieties offered in catalogues.

Either collection will provide ample plants to furnish a goodly garden, but the best results will naturally occur from a judicious mingling of Annuals and Perennials.

Descriptions of the various sorts will be found in their proper place in the catalogue

Annual Flower Garden Collection, $1.50

IF PURCHASED SEPARATELY THIS COLLECTION WOULD COST $2

	Page
Ageratum, Blue Perfection	13
Alyssum, Carpet of Snow	13
Antirrhinum (Snapdragon), Half-Dwarf, Mixed	16
Aster, Giant Late Branching, Mixed	14
Calendula (Pot Marigold), Orange King	20
Calliopsis, Mixed	19
Candytuft, Mixed	20
Centaurea imperialis (Giant Sweet Sultan), Mixed	22
Chrysanthemum, Mixed	23
Cosmos, Giant Early-flowering, Mixed	24
Dianthus chinensis (China or Indian Pink), Mixed	26
Dimorphotheca aurantiaca (African Daisy), Hybrids	27
Eschscholtzia aurantiaca (California Poppy)	28
Helichrysum (Straw Flower), Mixed	30
Larkspur, Double Stock-flowered, Mixed	32
Nasturtium, Dwarf Superb, Mixed	38
Nigella, Miss Jekyll (Love-in-a-Mist)	39
Poppy, Shirley, Mixed	41
Scabiosa, Improved Large-flowered, Mixed	44
Zinnia, Double Giant, Mixed	49

Perennial Flower Garden Collection, $2

IF PURCHASED SEPARATELY THIS COLLECTION WOULD COST $2.70

	Page
Anthemis tinctoria Kelwayi (Hardy Marguerite)	13
Aconitum Napellus (Monkshood)	12
Anchusa italica, Dropmore	13
Aquilegia (Columbine), Long-spurred Hybrids	17
Campanula persicifolia grandiflora (Peach Bells)	20
Coreopsis lanceolata grandiflora	24
Delphinium, Gold Medal Hybrids	25
Digitalis (Foxglove), Gloxinia-flowered	26
Dianthus plumarius (Hardy Pinks), Single Mixed	26
Gaillardia grandiflora (Blanket Flower)	29
Gypsophila paniculata (Baby's Breath)	29
Hollyhock, Chater's Double, Mixed	31
Lupinus polyphyllus, Mixed	34
Lychnis chalcedonica, Salmon Queen	33
Platycodon grandiflorum (Chinese Bellflower), Blue	41
Polemonium cæruleum grandiflora	42
Poppy, Oriental Hybrid, Excelsior	41
Pyrethrum hybridum grandiflorum	43
Physostegia virginica (False Dragonhead)	42
Scabiosa caucasica	44
Verbascum phœniceum	48

Rock Garden Collection, $2.50

IF PURCHASED SEPARATELY THIS COLLECTION WOULD COST $3.30

	Page
Alyssum saxatile compactum	13
Arabis alpina (Rock Cress)	17
Armeria formosa	17
Aquilegia cærulea (Blue Columbine)	17
Aster alpinus, Goliath	15
Aubrietia, Large-flowering Hybrids, Mixed	18
Campanula carpatica	20
Cerastium tomentosum (Snow-in-Summer)	22
Convolvulus mauritanicus	23
Dianthus deltoides	26
Gypsophila repens rosea	29
Heuchera, Choice Hybrids	31
Iberis sempervirens (Hardy Candytuft)	20
Poppy, Alpine	41
Poppy, Iceland, Mixed	41
Primula elatior (Polyanthus)	43
Saponaria ocymoides	44
Saxifraga cordifolia splendens	44
Veronica repens	48



Waterer's Choice Flower Seeds

Our Flower Seeds are all procured from the best sources in America and Europe, and are of the very Highest Quality

CULTURAL HINTS. Flower seeds are usually divided into Annuals, those living one year; Biennials, those living two years, and usually not flowering until the second year; and Perennials, those living from year to year. Annuals may be made to flower much earlier and many Biennials and Perennials may be made to flower the first year by starting early in hotbeds or in a window in the house.

For starting in the house, use a shallow box about 3 inches deep and bore ½-inch holes in the bottom for drainage. Fill the box with one-third good loam or garden soil, one-third leaf-mold, and one-third well-rotted manure, mixed thoroughly and sifted through a fine sieve. Press lightly and sow seed on top of the soil, covering thinly and pressing the earth gently with a board. It is a good rule to cover house sown seed three times its own depth. But some seeds, such as *Celosia Childsi*, must not be covered even as much as this. Fine seeds, like Petunia, should be sown on top of the ground and just pressed in with the hand, watered with a fine spray, and covered with glass until they come up, when the glass should be removed. Be careful not to water the young plants too much as it will cause them to damp off.

When the young plants are well out of the seed-leaf, they must be transplanted into boxes, setting them about 1 inch apart, or they may be transplanted into small pots. Transplant to the garden when the ground warms up to assure safety of the plants.

In sowing in the open ground, have the seed-bed well pulverized, cover the seed from five to eight times its size, and press the ground lightly over them to preserve the moisture.



Achillea

ABRONIA

Umbellata grandiflora (Sand Verbena). A charming, annual, trailing, succulent plant, with verbena-like heads of fragrant, bright rose flowers with white centers. It delights in a dry, poor soil and sunny situations on rockwork. 6 inches. Pkt. Large pkt. 25 cts. $0 10

ABUTILON

Flowering Maple

Perpetual flowering greenhouse shrubs of easiest cultivation, and invaluable for summer bedding or conservatory decoration. Seeds sown in March produce flowering plants the first season. The blooms are bell shaped, and of exquisite texture. 3 to 4 feet.

Extra Choice Mixed. Saved from a splendid collection, the colors include shades of White, Yellow, Pink, and Crimson. Pkt. $0 25

ACHILLEA

Ptarmica, The Pearl (Double White Yarrow). One of the best hardy perennials. A profusion of small, double white flowers all season. Fine for cutting. 2½ feet. Pkt. Large pkt. 75 cts. $0 25

ACROCLINIUM

Pretty annual, with white and rose-colored daisy-like flowers. The "Immortelles," so desirable for winter bouquets. 1 foot.

		Pkt.
Double Mixed	¼oz. 30 cts.	$0 10
Single Mixed	¼oz. 25 cts.	10

ACONITUM

Wilsoni. Clear blue flowers in large trusses. Excellent for cutting. 4 feet. September. Large pkt. 75 cts. 25

Napellus (Monkshood). Blue. Hardy perennial plant, with showy panicles of helmet-shaped flowers; does well in shady places or under trees. 4 feet. July, August. Large pkt. 40 cts. 15

ADLUMIA · Allegheny Vine

Fungosa (cirrhosa). A graceful, hardy biennial climber, but, as it resows itself year after year, it might be considered perennial. Its feathery foliage closely resembles that of the maidenhair fern. The flowers are tube-shaped, flesh-colored, and completely cover the plant. For covering trellises, stumps of trees, etc., it is very desirable. Flowers the first year from seed. Pkt. Large pkt. 40 cts. $0 15

ADONIS

Vernalis. A hardy perennial with large, bright yellow flowers and elegant foliage. Blooms in April and May. 18 inches. Large pkt. 40 cts. 15

AGATHAEA (Felicia)

Amelloides (cœlestis) (Blue Daisy). Flowers sky-blue with yellow disk. Perennial plants of easy growth, useful in the border, for bedding, and as a pot plant for conservatory decoration. Large pkt. 40 cts. 15

AGERATUM · Floss Flower

A hardy annual of easy culture, especially valuable for bedding, as it is literally covered with blossoms all summer. Sow the seed early in the spring, either in boxes to transplant, or outdoors, and thin to 4 to 6 inches.

	Pkt.
Blue Perfection. Deep blue. 1 foot. ¼oz. 40 cts.	$0 10
Little Dorrit. A perfect mass of blue flowers. 6 inches. ¼oz. 50 cts.	10
Little Dorrit, White. A white form of the above. 6 inches. ¼oz. 50 cts.	10
Little Blue Star. A very dwarf variety, densely covered with small, light blue flowers. Large Pkt. 75 cts.	25

AGROSTEMMA

Coronaria (Rose of Heaven; Mullein Pink). Hardy perennial, with silvery white leaves and red flowers, borne on long slender stems; fine for cutting. 2 feet. ¼oz. 25 cts. 10
Coronaria alba. A pure white variety. ¼oz. 25 cts. 10

AMARANTHUS

Hardy annuals, grown especially for their brilliant foliage.

	Pkt.
Caudatus (Love-lies-bleeding). Light yellowish green foliage; long, drooping, crimson flower-spikes. 3 to 4 feet. Large pkt. 25 cts.	$0 10
Tricolor splendens (Joseph's Coat). Plants 3 feet high, with brilliant red, scarlet, and yellow leaves. Large pkt. 25 cts.	10



Ageratum

ALYSSUM

Fragrant, hardy annuals and perennials, the annual kinds bearing spikes of small, usually white flowers in great profusion throughout the summer and autumn, and the perennial sorts masses of yellow bloom in early spring. Useful for rock-garden, edging borders and beds of other flowers.

	Pkt.	¼oz.
Little Dorrit. This variety forms a perfect little bush with miniature white rocket flowers. A perfect gem for borders or beds. oz. 75 cts.	$0 10	$0 25
Carpet of Snow (Little Gem). The dwarfest of all Alyssums. Of creeping habit, forming a dense carpet of beautiful white flowers, produced so freely that the foliage can scarcely be seen. 4 inches. oz. 75 cts.	10	25
Sweet Alyssum (*A. maritimum*). Of trailing habit; flowers white. ½oz. 20 cts.; oz. 35 cts.	10	
Lilac Queen. A distinct, new annual variety with pure lilac-colored flowers. The plants are of dwarf compact growth. oz. 75 cts.	10	25
Saxatile compactum. A pretty Alyssum for rock-gardens and for borders in perennial beds. The plants are 9 inches in height, spread freely, and produce masses of bright yellow flowers in early spring.	10	40



Alyssum

ANCHUSA

	Pkt.	¼oz.
Capensis (Cape Forget-me-not). A very pretty annual, blooming all summer. Large, forget-me-not-like flowers of purest blue, on slender stems with small foliage. Very attractive in beds and fine for cutting. 18 inches.	$0 10	$0 25
Bluebird. See Novelties and Specialties, page 6.		
Italica, Dropmore. A lovely blue perennial, blooming during May and June. The flowers of deep gentian-blue are produced in loose clusters on long spikes. 4 feet.	15	50
Italica, Lissadell. An improved form of the Dropmore variety of strong, vigorous growth, growing about 5 feet high, with sprays of extra-large, clear gentian-blue flowers. Large pkt. 75 cts.	25	

AMMOBIUM

Alatum grandiflorum. Valuable white Everlasting. The fully expanded flower has a yellow center. If sown in April or May and treated as a hardy annual the plants bloom freely the same year. 2½ feet. Pkt. 10 cts.; ¼oz. 25 cts.

ANEMONE · Windflower

Very pleasing hardy plants for the herbaceous border. Fine large flowers. Excellent for bouquets and table decoration.

	Pkt.
Coronaria. Mixed colors. Large pkt. 25 cts.	$0 10
St. Brigid. A beautiful selection, comprising semi-double and double flowers. Large pkt. 40 cts.	15

ANTHEMIS · Hardy Marguerite

Tinctoria Kelwayi. A handsome, hardy perennial, bearing daisy-like bright yellow flowers all summer; excellent for cutting. 2 feet. Large pkt. 25 cts. 10


Royal Aster


King Aster


Giant Comet Aster


Branching Aster

WATERER'S SUPERB ASTERS

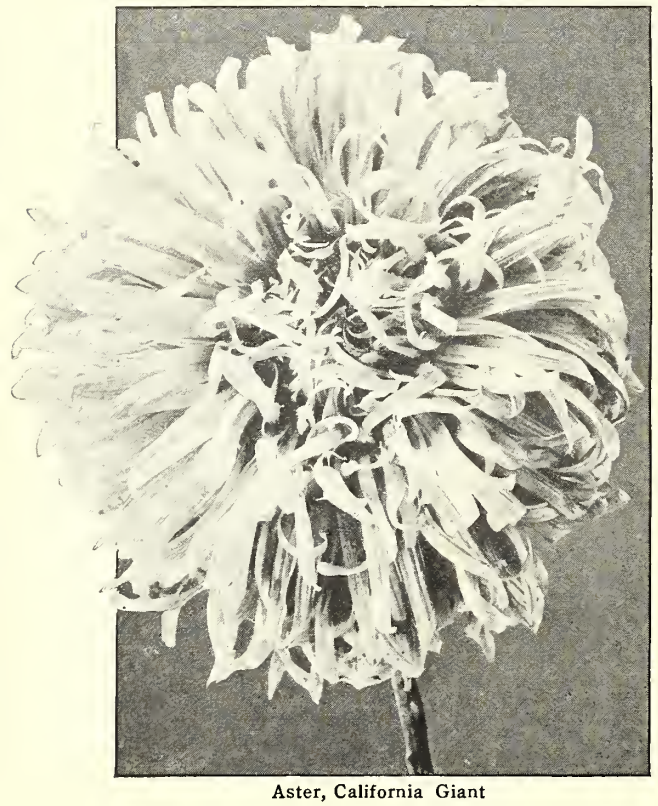
There are few flowers that make a better show in the fall than the Asters. They are, perhaps, the most popular annual flower grown, and justly so on account of their ease of culture, season of bloom, and lasting qualities, both in the garden and as a cut-flower. To be able to cut Asters abundantly and over the longest possible period, you should make several sowings of the early, midseason, and late-flowering types. Sow the seed in shallow boxes in the house or in the hotbed in March; transplant the seedlings 2 inches apart in boxes, when they are large enough to handle, and plant to permanent beds in May. The second sowing can be made in the coldframe the latter part of April. The third sowing should be made the latter part of May. Set the plants of early varieties 10 inches apart in the row, and those of the later varieties 15 to 18 inches apart. The richer the ground the better your flowers will be, and water is very necessary. In the following list you will find not only the standard varieties of merit, but many of the newer sorts which we know are sure to please.

American Beauty

This beautiful variety is, beyond doubt, one of the grandest sorts in cultivation. It is of the Late Branching type, growing from 2 to 2½ feet high. The flowers are large and full, with incurved petals measuring from 4 to 5 inches in diameter, and are borne on stems from 15 to 20 inches long.

	Pkt.	¼oz.		Pkt.	¼oz.
Shell-Pink	$0 15	$0 50	**Purple**	$0 15	$0 50
Deep Rose	15	50	**White**	15	50
Crimson	15	50	**Mixed**	15	40
Azure Blue	15	50			

COLLECTION: One pkt. each of above 6 colors, 75 cts.


Aster, California Giant

Giant Late Branching

This superb strain is of American origin and is especially adapted to our climatic conditions. The plants form strong, branching bushes, 2 to 2½ feet high, bearing on long, strong stems their handsome chrysanthemum-like flowers, which under ordinary cultivation, average 4 inches across. The form of the flowers, together with the length of the stems, places them at the head of Asters for cutting. They come into bloom from two to three weeks after the average type, usually being at their best during September.

	Pkt.	¼oz.		Pkt.	¼oz.
Crimson	$0 10	$0 60	**Shell-Pink**	$0 10	$0 60
Lavender	10	60	**White**	10	60
Purple	10	60	**Finest Mixed**	10	50
Rose-Pink	10	60	Oz. $1.50		

COLLECTION: One pkt. each of above 6 colors, 50 cts.

Royal

One of the best early-flowering sorts. It is quite similar in type of flower to the Late Branching, but will come into bloom only about a week later than Queen of the Market. Very desirable for beds or borders and an excellent variety for cutting.

	Pkt.	¼oz.		Pkt.	¼oz.
Lavender	$0 10	$0 75	**Shell-Pink**	$0 10	$0 75
Purple	10	75	**White**	10	75
Rose-Pink	10	75	**Mixed**	10	60
Rich Rose	10	75			

COLLECTION: One pkt. each of above 6 colors, 50 cts.

California Giants

Crego or Ostrich Feather type, having very robust habit and long stems. Flowers are much larger and more substantial than the Crego, often measuring 5 to 6 inches in diameter. A good keeper and makes an excellent shipping flower. Their immense size and beauty, as well as their long and sturdy stems, make them very attractive for both garden and vase.

	Pkt.	Large pkt.		Pkt.	Large pkt.
Peach Blossom	$0 25	$0 75	**Dark Purple**	$0 25	$0 75
Light Blue	25	75	**White**	25	75
Light Purple	25	75	**Mixed**	25	75
Deep Rose	25	75			

COLLECTION: One pkt. each of above 6 colors, $1.25

Queen of the Market

These well-known, early-flowering Asters are of a branching habit, about 1½ feet high, and come into bloom directly after the Extra Early Express. The perfect flowers are borne on long stems and in great variety of colors, making them extremely useful for cutting.

	Pkt.	¼oz.		Pkt.	¼oz.
White	$0 10	$0 60	**Lavender**	$0 10	$0 60
Pink	10	60	**Purple**	10	60
Rose	10	60	**Finest Mixed**	10	50

COLLECTION: One pkt. each of above 5 colors 40 cts.

Express, Extra Early Aster

Early-flowering Asters of great merit, not only for garden purposes but of even more value for early cut-flowers, as they come into bloom in the open ground with us by the middle of July. They are the largest early Asters of which we know, of double Comet type, splendid substance and long stems; plants healthy, sturdy, of branching habit, 1½ feet high; free bloomers.

	Pkt.	½oz.		Pkt.	½oz.
Dark Blue	$0 15	$0 50	**White**	$0 15	$0 50
Rose	15	50	**Light Blue**	15	50
Carmine-Rose	15	50	**Finest Mixed**	15	40
Lavender	15	50			

COLLECTION: One pkt. each of above 6 colors, 75 cts.

Astermum

Elegantly formed flowers, with long petals curiously entwined and intermixed, forming a shaggy mass resembling the finer types of Japanese chrysanthemums; long stems.

	Pkt.	½oz.		Pkt.	½oz.
White	$0 15	$0 50	**Lavender**	$0 15	$0 50
Rose-Pink	15	50	**Mixed**	15	50
Brilliant Rose	15	50			

Giant Comet

An ideal class for cut-flowers, being not only most profuse bloomers, but each individual flower is borne on a stiff stem and resembles an exquisitely curled and twisted Japanese chrysanthemum. 2 feet.

	Pkt.	¼oz.		Pkt.	¼oz.
White	$0 10	$0 75	**Lavender**	$0 10	$0 75
Shell-Pink	10	75	**Purple**	10	75
Rose	10	75	**Finest Mixed**	10	60
Crimson	10	75			

COLLECTION: One pkt. each of above 6 colors, 50 cts.

King

A magnificent class of Asters, distinct from all others in the character of the flower. The long, narrow petals are folded lengthwise, appearing almost as though quilled. The flowers are of great size and substance and last longer when cut than those of any other class. The plants are large and the stems exceptionally long and strong.

	Pkt.	¼oz.		Pkt.	¼oz.
White	$0 10	$0 60	**Violet**	$0 10	$0 60
Shell-Pink	10	60	**Lavender**	10	60
Rose	10	60	**Finest Mixed**	10	50
Crimson	10	60			

COLLECTION: One pkt. each of above 6 colors, 50 cts.

Sunshine Aster

See color plate, page 1



Single Aster



Astermum

Moreton Pink

The finest bright pink Aster

A rich, clear, bright pink Aster that is proving its merit by its steady increase in popularity. The flower is of the Comet type, very full, double, with long, twisted petals. Pkt. 15 cts.; large pkt. 40 cts.

Everlasting Flesh

This curious Aster resembles a large helichrysum or strawflower. When cut and dried, it retains its color and shape as an everlasting flower. Pkt. 15 cts.; large pkt. 40 cts.

Heart of France

The best pure red Aster ever introduced. The flowers are large and full and the plants are very robust, of Branching type, having long strong stems, with very few laterals. They begin to bloom quite early in the season and open fully with the midseason varieties. Pkt. 15 cts.; large pkt. 40 cts.

Ostrich Feather

Extremely graceful Aster, with large feathery heads, similar to the Comet, but with longer and more wavy petals. 1½ feet.

	Pkt.	¼oz.		Pkt.	¼oz.
White	$0 10	$0 75	**Purple**	$0 10	$0 75
Rose	10	75	**Shell-Pink**	10	75
Crimson	10	75	**Finest Mixed**	10	60
Lavender	10	75			

COLLECTION: One pkt. each of above 6 colors, 50 cts.

Single Giants of California

The flowers are large, measuring 3 to 4 inches across, with stems 1½ to 2 feet in length, and the petals have a slight twist, which adds a piquant touch to their beauty. The white blossoms resemble Shasta daisies in appearance, but their greater length of stem makes them more graceful and better adapted to florists' use. In the garden, the Single Giants of California add a charming note of simplicity among the fuller types of Asters.

	Pkt.	½oz.		Pkt	½oz.
White	$0 15	$0 50	**Lilac**	$0 15	$0 50
Rose	15	50	**Delicate Flesh**	15	50
Light Blue	15	50	**Finest Mixed**	15	50
Purple	15	50			

COLLECTION: One pkt. each of above 6 colors, 75 cts.

Hardy Perennial Asters (Michaelmas Daisies)

These showy hardy perennials are easily raised from seeds and if sown early in spring are likely to bloom the following autumn. They may also be sown from May to July.

Large-flowered, Mixed. Pkt. 15 cts.; large pkt. 40 cts.

Alpine

Alpina, Goliath. Lovely, soft blue flowers with yellow centers in May and June. 1 foot. Excellent for rockery. Pkt. 15 cts.; large pkt. 40 cts.

Antirrhinum · Snapdragon

HALF-HARDY PERENNIALS

Seed should be sown either in the house from February on or in hotbeds from March onward. Snapdragons belong to the aristocrats of the garden. They appear in the most pleasing shades, are extremely stately in appearance, and useful in unlimited degree, being fine both for bedding and cutting purposes. They are offered in two classes as to height, the giants growing fully 3 or more feet high; the semi-dwarf, about 1½ feet. The pretty flowers, which completely encircle the stout stem to fully 1 to 1½ feet at the top, are very large and from their form their name has been derived. Seed-pods should never be allowed to form, and flower-stalks, after blooming, should be promptly removed. Snapdragons flower continuously from July to frost.

GIANT-FLOWERED VARIETIES

Flower-stems will grow to a height of 3 feet or more and flowers are unusually large. Allow 9 inches between the plants.

	Pkt.	⅛oz.
Cardinal. Dazzling scarlet	$0 10	$0 50
Crimson King. Rich crimson	10	50
Golden King. Golden yellow	10	50
Venus. Flesh-pink	10	50
Queen Victoria. Pure white	10	50
Rose King. Deep rose self	10	50
Mixed	10	35

COLLECTION: One pkt. each of the above 6 colors, 50 cts.

WATERER'S SUPERB GIANT-FLOWERED

A group of the finest named varieties of this favorite flower which is so much prized nowadays for both showy effects in the garden and exquisite bouquets of cut-flowers. This is a new and distinct class of Snapdragons that far surpasses any previous introductions. The flowers are very much larger than those of the other sorts, while the spikes are larger and heavier.

Apple Blossom. Pink, white throat.
Canary Bird. Delicate yellow.
Copper King. Bronzy copper.
Old-Gold. Golden orange
Snowflake. Pure white.
The Rose. Rosy pink.

Each, pkt. 25 cts.; large pkt. 75 cts.

COLLECTION: One pkt. each of above 6 varieties, $1.25

HALF-DWARF VARIETIES

These grow about 20 inches in height and produce spikes of flowers of the largest size.

	Pkt.	⅛oz.
Silver Pink. Soft pearly pink.	$0 10	$0 50
Defiance. Orange-scarlet	10	50
Empress. Rich velvety crimson	10	50
Golden Queen. Rich yellow	10	50
Gloria. Rich deep rose-pink	10	50
Purity. Pure white	10	50
Mixed. All colors	10	35

COLLECTION: One pkt. each of the above 6 varieties, 50 cts.

GREENHOUSE FORCING VARIETIES

Chapman's Pink. *New.* Premier rose-pink. Original pkt. $2.

Chapman's Yellow. A fine strain; very free-flowering. Original pkt. $2.

Geneva Pink (Hunt's). Dense spikes of glistening rose-pink. Original pkt. $1.25.

Harmony. Rich terra-cotta-pink, yellow center. Pkt. 25 cts.

Jenny Schneider. An early-flowering variety of a beautiful Columbia-rose-pink. Original pkt. $2.

Nelrose. Deep rose-pink. Pkt. 25 cts.

Philadelphia Pink (Allman's). Rich, glowing pink, approaching that of the Ward carnation. Beautiful under artificial light. Original pkt. $1.25.

Penn Orange (Allman's). Similar to Philadelphia Pink but not quite so early; color is vivid orange with yellow and pink shadings. Original pkt. $1.25.

White Rock. Extra-early; pure white; strong and free grower. Pkt. $1.25.



Waterer's Half-Dwarf Snapdragons

AQUILEGIA · Columbine

A hardy perennial of great beauty. The long-spurred type gives elegant cut-flowers. If sown in summer, plants will be ready by autumn for transplanting to the border to flower next May and June.

	Pkt.	Large pkt.
Long-spurred Hybrids. This strain includes shades of blue, mauve, lavender, pink, scarlet, orange, yellow, and white, of the large-flowered and long-spurred forms	$0 15	$0 40
Long-spurred Hybrids, Mrs. Scott Elliott's Strain. See Novelties and Specialties, page 6.		
Long-spurred, Blue Shades	25	75
Long-spurred, Pink Shades	25	75
Cærulea. One of the finest varieties. Pale blue and white flowers. 2 feet	15	40
Canadensis. Scarlet and yellow. Fine for rock-garden	15	40
Chrysantha. Golden yellow. 2 feet	15	40
Californica hybrida. Large yellow flowers; dark orange spurs	15	40
Copper Queen. Petals and outside of corolla copper-red, with long spurs of deeper hue, inside of corolla straw-color	35	
Rose Queen. Deep rose	25	75
Double Mixed	10	25
Single Mixed	10	25



Arabis alpina

ARABIS · Rock Cress

	Pkt.
Alpina. Early spring-flowering perennial plants especially adapted for edging and rockery. They form a dense carpet completely covered with pure white blossoms in May. 6 inches. ¼oz. 25 cts.	$0 10

ARCTOTIS · African Daisy

Grandis. A remarkably handsome annual which forms bushes 2 to 3 feet high. Its flowers are large and showy, being pure white on the upper surface, embellished with a narrow yellow zone at their base; the reverse of petals is pale lilac-blue. ¼oz. 35 cts.	10

ARENARIA

Montana (Mountain Sandwort). A close-growing, creeping variety, smothered with dainty white flowers in early summer. Valuable plant for the rock-garden. Large pkt. 75 cts.	25

ARMERIA · Sea Thrift

Formosa. Dwarf-growing perennial, with grassy leaves and a tufted habit of growth. The rose-pink flowers are borne in globular heads from May till September. Very suitable for edgings, borders, and also for the rock-garden. Large pkt. 40 cts.	15



Long-spurred Aquilegia

ARGEMONE

Mexican or Prickly Poppy

	Pkt.
Hybrida grandiflora. Sturdy bushes about 3 feet high; very ornamental, pale green, spiny foliage, with clear silvery midrib and veins. The poppy-like flowers are of satiny texture, over 3 inches across, and come in various shades from rich yellow to creamy white. It starts blooming early in July and continues without interruption until November. They should have a sunny location, and it is best to sow the seed where they are intended to bloom as soon as the ground is warm, preferably in light soil, although unlike other poppies they can be transplanted when small with perfect success. A very pretty and ornamental plant in or out of bloom. The foliage is especially decorative and the stems and seed pods have a picturesqueness rare in plants so easily grown. ¼oz. 30 cts.	$0 10



Arenaria

ARTEMISIA

Sacrorum viride (Summer Fir). A new ornamental foliage plant from China, with pyramidal bushes 3 to 5 feet high. May be grown in groups and borders, also pretty as a pot plant. Foliage fine and of a rich dark green. Plants cultivated in the open ground may be successfully planted in pots without any interruption of their growth. Large pkt. 40 cts...$0 15

ASCLEPIAS · Butterfly Weed

Tuberosa. One of the most showy of our native perennials, producing, from July until frost, compact umbels of brilliant orange flowers with purplish stems and hairy leaves. 2 feet. Large pkt. 40 cts... 15

ASPARAGUS

Plumosus nanus. An excellent plant for house or conservatory decoration or cutting, on account of its graceful, finely cut foliage; will remain fresh a long time after being cut.....100 seeds, $1... 25

Sprengeri. One of the best plants to grow in hanging-baskets or window-boxes for the greenhouse in winter or for outdoors in summer.....100 seeds, 50 cts... 10

ASPERULA

Azurea (*A. setosa*). A splendid annual, growing about 9 inches high and covered throughout the summer with light lavender-blue, fragrant flowers; excellent for cutting..... Large pkt. 25 cts... 10

Odorata (Sweet Woodruff). Pretty, hardy plant thriving in partial shade; flowers white. The leaves and flowers, when dried, have an odor like new-mown hay, and when laid among clothes, perfumes them and keeps away insects. 1 foot..... Large pkt. 25 cts... 10

AUBRIETIA

One of the daintiest and most beautiful of all dwarf, creeping plants for carpeting beds or rockeries, forming brilliant sheets of blue, crimson, or rose for many weeks. Massed on rockeries or in borders, with white arabis and yellow alyssum, it forms a charming contrast. A gem for planting in crevices of rocks or wall, forming a cataract of color.

	Pkt.	Large pkt.
Deltoidea Bougainvillei. Flowers are dark blue.....	$0 15	$0 40
Deltoidea græca. Light blue; dwarf; floriferous.....	15	40
Deltoidea Leichtlini. Large, deep rosy purple flowers.	15	40
Violet Queen. Deep violet.....	25	75
Large-flowered Hybrids, Mixed. A wonderfully fine strain, producing a good range of colors, from deep purple, blue and lavender to blush-pink, rose, carmine and crimson. 6 inches.....	25	75



Aubrietia deltoidea

BALSAM · Lady's Slipper

Double Camellia-flowered

These favorite half-hardy annuals are of the easiest culture, but love hot sun, rich soil and plenty of water. The young plants are quick, sure growers and, from seed sown in the open ground in May, soon form handsome bushes 1½ feet high, thickly massed with large, rose-like flowers. Transplanting two or three times has a tendency to dwarf the plants into better shape and to make the flowers more double. Balsams are not often given room for perfect development; they will easily cover 1 to 1½ feet of space each way. We offer only the finest double sorts.

Light Yellow. Pkt. 10 cts.; large pkt. 25 cts.

Pure Scarlet. Pkt. 10 cts.; large pkt. 25 cts.

Violet. Pkt. 10 cts.; large pkt. 25 cts.

White Perfection (Alba Perfecta). Pkt. 10 cts.; large pkt. 25 cts.

Crimson. Pkt. 10 cts.; large pkt. 25 cts.

Salmon King. Rich salmon-pink. Pkt. 10 cts.; large pkt. 25 cts.

Finest Mixed. Pkt. 10 cts.; ¼oz. 25 cts.; oz. 75 cts.

COLLECTION: One pkt. each of above 6 colors 50 cts.



Double-flowered Balsam

BALLOON VINE

A rapid-growing annual climber that succeeds best in light soil and warm situations. Flowers white; seed-vessels look like miniature balloons. Pkt. 10 cts.; oz. 25 cts.

BAPTISIA · False Indigo

Australis. A strong-growing perennial plant about 2 feet high, with dark green, deeply cut foliage and spikes of dark blue, pea-shaped flowers in June and July.....Large pkt. 25 cts...$0 10

BARTONIA

Aurea. A free-blooming and showy hardy annual with large yellow flowers. It is certain to please those who have not yet grown it and is worthy of much more extensive cultivation. 1½ feet.....¼oz. 35 cts... 10

BEGONIAS

Everblooming Bedding Varieties

A continuous-flowering section of Begonias of the greatest value for bedding. The flowers are of brilliant colors and borne in great profusion from summer to autumn. They are especially desirable for winter-flowering house plants.

	Pkt.	Large pkt.
Gracilis Luminosa. Large, bright scarlet flowers. Reddish brown foliage.....	$0 25	$0 75
Gracilis, Pink Profusion. Pure La France-rose-pink; dwarf, compact, and free-flowering.....	25	75
Gracilis, Prima Donna. Flowers are a brilliant clear pink, shading to carmine-rose.....	25	75
Gracilis, White Pearl. Large, snowy white bloom. Green foliage.....	25	75
Semperflorens, Albert Martin. Very large, bright carmine flowers. Dark foliage.....	25	75
Semperflorens, Dwarf Vernon. A fine sort for edging, etc., with rich red flowers and bronze foliage.....	15	40
Semperflorens, Salmon Queen. A brilliant salmon-rose. Foliage dark green with reddish hue.....	25	75
Semperflorens, Mixed. Dwarf, compact, very free-blooming. Elegant for bedding.....	15	40

REX BEGONIA

Handsome foliage plants for the conservatory, showing a great diversity in form as well as in coloring of leaves. Pkt. 75 cts.



Boltonia latisquama

BELLIS · English Daisy

Charming spring flowers in borders. Sow in light soil in spring, and prick out or sow in August and grow in a coldframe until spring, then transplant outdoors for spring bedding purposes.

	Pkt.	½oz.
The Bride. A fine, very double, free-flowering, pure white sort	$0 10	$0 50
Longfellow. Large, double, pink flowers	10	50
Snowball. Large and very double; pure white	10	50
Giant Red. Beautiful and densely double flowers	25	75
Giant Rose. Bright rose	25	75
Giant White. Pure white	25	75
Double Mixed. Selected strain of the finest quality	10	50

BOCCONIA

Plume Poppy; Tree Celandine

Cordata. Effective, hardy perennial, for single specimens or groups on lawns. Foliage glaucous green; bears freely spikes 2 to 3 feet long of cream-colored flowers; easily raised from seed. 5 feet ¼oz. 25 cts. $0 10

BOLTONIA · False Chamomile

The Boltonias bloom at the same time and resemble some of the wild Asters of the woodland. The leaves are long and grayish and in these characteristics are roughly distinguished from the perennial Asters. Because of their great height, they are highly desirable in large perennial borders. The plants literally bear thousands of star-like flowers. They serve excellently as cut-flowers.

Latisquama. Delicate pink flowers from July to October. 4 to 5 feet. Pkt. 15 cts.; large pkt. 40 cts.

BRACHYCOME · Swan River Daisy

Brilliant, free-flowering hardy annual, suitable for beds or borders.

Cineraria-shaped blue or white flowers. 9 inches.	Pkt.	Large pkt.
Little Blue Star	$0 15	$0 40
Little White Star	15	40
Mixed ¼oz. 40 cts.	10	

BROWALLIA

Handsome annuals, with blue or white flowers. Fine for garden beds in summer or pot culture in winter. 1½ feet.

	Pkt.
Speciosa major. A beautiful flowering variety of brilliant ultramarine-blue. Does finely outside in the border or in hanging-baskets or in vases. Large pkt. 75 cts.	$0 25
Elata, Mixed. Blue and white. ¼oz. 30 cts.	10

CACALIA

	Pkt.
Coccinea (Tassel Flower). Pretty, free-flowering, hardy annual, producing trusses of showy, tassel-like scarlet flowers. 1½ feet. ¼oz. 25 cts.	$0 10

CALCEOLARIA

A tender perennial, used largely for the decoration of the greenhouse and conservatory.

	Pkt.
Covent Garden Strain. Extra choice; strongly recommended for habit, also size and markings of flowers	$0 50
Profusa (*C. Clibrani*). The sprays of rich golden yellow flowers are light and graceful in habit, and are very lasting	50
Rugosa, Mixed. Shrubby, small-flowering varieties, for bedding, of the finest colors. 15 inches	50

CALLIOPSIS

Very graceful border plants, supplying throughout the summer an abundance of elegant showy flowers which are greatly prized for garden decoration as well as for cutting. They are of the easiest culture and will thrive anywhere, even in city gardens.

Sow seed where intended to bloom; thin out to 6 inches apart. By keeping the old flowers cut off, the flowering season can be lengthened until late autumn.

Tall Varieties

They grow 2 to 3 feet high, branch freely, and have long, wiry flower-stems crowned with lovely clusters of small, daisy-like flowers in beautiful shades of crimson, orange, and gold.

	Pkt.	¼oz.
Golden Wave (*C. Drummondi*). Very showy, with large yellow flowers, having dark brown center. 1½ feet	$0 10	$0 25
Marmorata. Bright golden yellow flowers, marbled with maroon. 2 feet	10	25
Nigra speciosa. Rich crimson-maroon. 2 feet	10	25
Tinctoria. A showy variety, the large flowers being bright yellow and maroon, about evenly divided. 2 feet	10	25
Mixed. All the choicest sorts. 1 to 2 feet	10	25

Dwarf Varieties

This class forms compact, shapely bushes 9 to 12 inches high, which are completely covered with their gay flowers all summer. Ideal for the edge of borders or for massing.

	Pkt.	¼oz.
Crimson King. Rich dark crimson. 6 inches	$0 10	$0 25
Dazzler. A rich maroon-red center with broad, golden yellow border	10	25
Nana radiata (Tiger Star). Rich bronze, striped and mottled yellow	10	25
Bicolor nana. Yellow, brown center	10	25
Nana marmorata. Bright golden yellow, marbled with maroon	10	25
Mixed. All colors	10	20

COLLECTION: One pkt. each of the 9 Tall and Dwarf Varieties, 75 cts.



Bellis, or English Daisy



Ball's Orange Calendula

CALENDULA

Pot Marigold

One of the best and showiest free-flowering annuals. Will grow in any good garden soil and produce a fine effect in beds and mixed borders. Valuable also for pot culture, blooming in the winter and early spring. 1 foot.

Ball's Orange. Large flowers of a pure orange color and perfect form on long stems. Pkt. 25 cts.; large pkt. 75 cts.

Ball's Gold. Uniformly double golden yellow flowers on long stems. Pkt. 25 cts.; large pkt. 75 cts.

Campfire (Sensation). See Novelties and Specialties, page 6.

Lemon Queen. Lemon-yellow. Pkt. 10 cts.; large pkt. 25 cts.; oz. 40 cts.

Meteor. Yellow, striped orange. Pkt. 10c.; large pkt. 25c.; oz. 40 cts.

Orange King. Dark orange-red. Pkt. 10c.; large pkt. 25c.; oz. 40c.

Prince of Orange. Orange, slightly striped with yellow. Pkt. 10c.; large pkt. 25c.; oz. 40c. **Mixed.** Pkt. 10c.; ½oz. 20c.; oz. 30c.

Radio. See Novelties and Specialties, page 6.

CAMPANULA · Canterbury Bells

Biennial Varieties

Sow these hardy biennials in summer and transplant to a bed in autumn for flowering the following year. They also make effective pot plants for spring flowering, if sown in summer, potted in autumn, and kept in a cool frame through winter.

	Pkt.	Large pkt.
Medium calycanthema (Cup-and-Saucer; Canterbury Bells). This is the finest type of this old-fashioned and much-prized garden plant.		
Rose. Delicate rose-pink	$0 15	$0 40
Blue. A fine, clear shade	15	40
White. Pure white	15	40
Lilac. Very fine	15	40
Mixed	10	25

Single Varieties

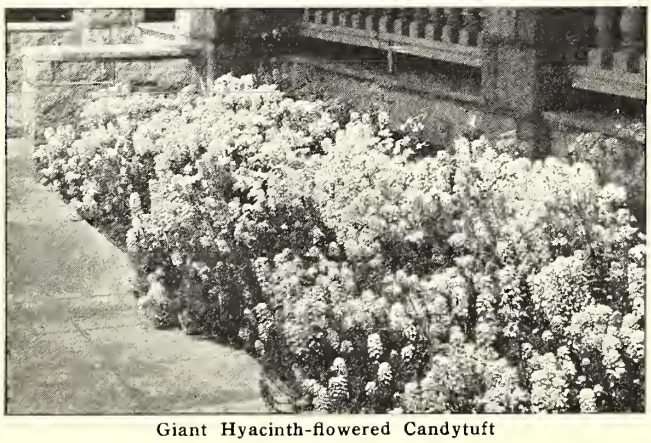
Rose	10	25
White	10	25
Blue	10	25
Mixed	10	25
Double, Mixed	10	25

CAMPANULA · Bellflower

Perennial Varieties

Campanulas are delightfully graceful subjects for the hardy borders, well known, and easily grown. The dwarf varieties are particularly suited for rock-gardens.

	Pkt.	Large pkt.
Carpatica (Carpathian Harebell). Free-flowering, continuing in bloom the whole season; blue. 12 inches	$0 10	$0 25
Carpatica alba. The white-flowered form of the above.	10	25
Latifolia macrantha. Erect stems; large, violet-blue bells. 2 feet	10	25



Giant Hyacinth-flowered Candytuft

CAMPANULA, continued

	Pkt.	Large pkt.
Persicifolia grandiflora (Peach Bells). One of the finest hardy Bellflowers. Grows 2 to 3 feet high; large blue flowers	$0 15	$0 40
Persicifolia alba (White-flowered Peach Bells)	15	40
Persicifolia, Telham Beauty. It produces, on long stems, very large globular, open flowers of a lovely china-blue with silvery shading on the inside. 2 feet	25	75
Pyramidalis (Chimney Bellflower). A beautiful, stately plant for garden or pot culture; blue flowers	10	25
Pyramidalis alba. Pure white flowers	10	25
Rotundifolia (Blue Bells of Scotland). One of the prettiest species, with slender, branching stems, covered with dainty, frail, blue flowers. Valuable for the rock-garden. 1 foot	25	75

CANARY-BIRD VINE (*Tropæolum canariense*)

A rapid-growing, climbing annual, producing an abundance of pretty, fringed, bright yellow flowers, bearing a fancied resemblance to a bird with wings expanded. Pkt. 10 cts.; ½oz. 25 cts.; oz. 40 cts.



Campanula persicifolia

CANDYTUFT · Iberis

The Candytufts are among our best hardy annuals for edgings, bedding, massing, rockeries, or for cutting. Several of the varieties are fragrant, and all are profuse in bloom. Sow outdoors in April, and thin well when the plants grow about an inch. Sow again in a month, and late in July for fall flowers. Give rich soil and water freely.

Annual Varieties

	Pkt.	Oz.
Giant Hyacinth-flowered. Immense, pure white spikes. ¼oz. 25 cts.	$0 10	$0 75
Carmine. Bright carmine-rose	10	50
Crimson. Rich, deep shade	10	50
Lavender. Delicate shade of rosy lavender	10	50
Rose Cardinal. Bright rosy cardinal	10	50
Flesh-Pink. Fine delicate tint	10	50

COLLECTION: One pkt. each of above 6 colors, 50 cts.

Little Prince. A miniature Giant Hyacinth-flowered white; 6 inches high. ¼oz. 25 cts.	10	75
Finest Mixed. All colors	10	35

Perennial Varieties

Hardy evergreen plants, making a magnificent showing the second year from seed. They bloom very early, cushioning rock ledges, borders, etc., with banks of bloom. Sow outdoors in spring or fall in any sunny place.

	Pkt.	Large pkt.
Sempervirens. A profuse, white-blooming, hardy perennial, coming in flower early in the spring; much used for rockeries, etc	$0 25	$0 75
Gibraltarica. Lilac flowers, shading white; very fine	15	40
Gibraltarica hybrida. A new hybrid, dwarfer and more compact than *I. gibraltarica.* 6 inches	25	75

CARNATION

The varieties we list here are best treated as annuals, although they will live over winter and flower again next season by giving slight protection with leaves or straw. From seeds sown in early spring, plants begin blooming in July or August, and continue until frost.

	Pkt.	Large pkt.
Marguerite—		
Pure White	$0 10	$0 25
Yellow	10	25
Scarlet	10	25
Deep Crimson	10	25
Choice Mixed	10	25
Giant Marguerite. An improved strain, producing flowers of immense size. Mixed colors	10	25

Carnation, Chabaud's Giant

A new acquisition in the line of Carnations, coming into bloom six months from seed and continuing throughout the summer. The plants are of robust, upright habit, forming ten to twenty stalks which bear huge flowers of fine form and highly clove scented. Come about 90 per cent double and quite true.

This group should not be confused with the old Chabaud type.

Cardinal-Red **Salmon-Rose** **Yellow**
Flesh-Pink **White** **Mixed, all varieties**
Rose-Pink

Each, pkt. 25 cts.; large pkt. 75 cts.

COLLECTION: One pkt. each of the 6 colors, $1.25



Marguerite Carnations

CINERARIA HYBRIDA

Our strains of this showy greenhouse plant are of acknowledged superiority, the very choicest from a prize European collection of only the best colors.

Waterer's Prize Dwarf. Dwarf, compact plants not over a foot high, with immense heads of large individual flowers in a great range of beautiful colors. Pkt. 50 cts.; large pkt. $1.

Waterer's Prize Tall. Extra-fine colors, with plenty of selfs and various shades of rose. Pkt. 50 cts.; large pkt. $1.

Matchless. Very fine strain; contains many new colors; vigorous and compact growth. Pkt. 75 cts.; large pkt. $1.50.

Matador. Fine glowing scarlet. Pkt. 50 cts.; large pkt. $1.

Grandiflora, Stella. Twisted or fluted petals like a single cactus dahlia. Pkt. 50 cts.; large pkt. $1.

Multiflora grandiflora maxima nana. See Novelties and Specialties, page 6.

Multiflora nana. This variety is the dwarfest and most compact type; flowers of good size and produced in great profusion. An excellent pot plant. Mixed colors, pkt. 50 cts., large pkt. $1.

Stellata, Blue Shades. Pkt. 75 cts.; large pkt. $1.50.

Stellata, Pink Shades. Pkt. 75 cts.; large pkt. $1.50.

Stellata, Feltham Beauty. A great improvement on the old variety. Beautiful mixture of many colors. Pkt. 50 cts.; large pkt. $1.

White-leaved Cineraria (Dusty Miller)

Maritima candidissima. These as well as the white-leaved Centaureas, are called "Dusty Millers." Fine for bedding, ribbon beds and margins; prized for their beautiful, downy, silvery foliage. They are half-hardy perennials, but should be treated as annuals. 2 feet. Pkt. 10 cts.; ¼oz. 25 cts.

CARDINAL CLIMBER



Cardinal Climber

A beautiful annual vine of rapid growth. The cardinal-red flowers resemble those of the cypress vine, but are much larger, and are produced in great quantities continuously through the summer. Splendid for covering stumps and trellises. 20 to 30 feet. Pkt. 15 cts.; large pkt. 40 cts.

CELOSIA

The dwarf Cockscombs are showy in the border, while the feathered or plumed varieties are especially attractive in large beds, and are useful for cutting. The flowers retain their color, even when dry, and can be used in winter bouquets.

Celosia cristata (Cockscomb)

Very popular annuals of easy culture, producing large, ornamental, comb-like heads like ruffled chenille. Prized for pots or summer flower-beds.

Crimson Exhibition. From prize flowers and enormous combs. Pkt. 10 cts.; large pkt. 25 cts.

Empress. Bright crimson, rich and velvety. Pkt. 10 cts.; large pkt. 25 cts.

Celosia plumosa (Feathered Celosia)

There are no more showy summer and fall bedding plants than the plumed Celosias. Planted in masses, the color effect is magnificent. The handsome plants are symmetrical in growth, averaging 2 feet in height, every branch bearing a pointed head or plume of richly colored bloom, which, when fully developed in the fall, is supremely gorgeous.

Thompsoni magnifica, Crimson. Bright crimson. Pkt. 10 cts.; large pkt. 25 cts.

Thompsoni magnifica, Yellow. Beautiful yellow. Pkt. 10 cts.; large pkt. 25 cts.

Thompsoni magnifica, Mixed. Colors range from clearest yellow to darkest blood-red. Pkt. 10 cts.; large pkt. 25 cts.

Pride of Castle Gould. Mixed. This Ostrich Plume Celosia is an entirely distinct type of *C. pyramidalis plumosa* and surpasses by far anything yet placed on the market. The colors range from blood-red, carmine, golden yellow, salmon, deep scarlet, orange, and wine-red. Pkt. 15 cts.; large pkt. 40 cts.

Plumosa. Finest mixed. Pkt. 10 cts.; large pkt. 25 cts.



Celosia plumosa, Pride of Castle Gould



Centaurea cyanus

Celosia plumosa Childsi (Chinese Woolflower)

The most unusual type of Feathered Celosia, attaining a height of from 2 to 3 feet. There are many branches issuing from the main stalk, each stem having the silky tendrils common to Celosia. The striking feature of this variety is that at the tips they have a brushy appearance.

	Pkt.	Large pkt.
Crimson	$0 10	$0 25
Pink. Beautiful shade of salmon-pink	10	25
Yellow	10	25
Mixed	10	25

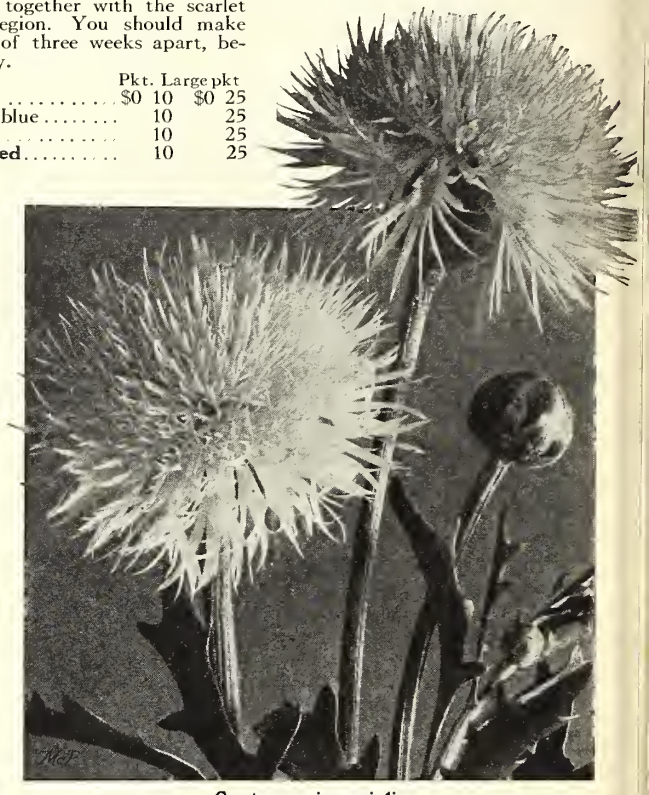
CENTAUREA

The various varieties of this popular annual include such favorites as the Bachelor's Buttons or Cornflowers and Sweet Sultans, old-fashioned flowers of easiest culture.

CORNFLOWER (*Centaurea cyanus*)

Also known as Bachelor's Button, Bluet, Ragged Sailor, and Bluebottle. Extremely showy in the garden and fine for cutting. They are easy to grow, take care of themselves, bloom continuously, and even come up again the next year from the seed that has dropped in the ground. Just sow the seed broadcast wherever you want the plants to grow. If the soil is rich, the flowers will be larger and have longer stems. They are lovely if sown together with the scarlet poppy, American Legion. You should make sowings at intervals of three weeks apart, beginning in early May.

	Pkt.	Large pkt
Double White	$0 10	$0 25
Double Blue. Deep blue	10	25
Double Rose-Pink	10	25
Finest Double, Mixed	10	25



GIANT SWEET SULTANS (*Centaurea imperialis*)

See color plate, page 36.

These are wonderful flowers for cutting—long-stemmed, exquisitely fringed, most graceful in appearance, and delightfully fragrant. The most beautiful colors are found among them. Easy to grow and the most thankful annual we know of, flowering freely from June until frost. For fine flowers, successive sowings should be made two weeks apart during May and June. They do well in a rich, loose soil. Cover seeds ¼inch. 2 to 3 feet.

	Pkt.	Large pkt.
Amaranth. Red	$0 15	$0 40
White	15	40
Purple	15	40
Brilliant Rose	15	40
Delicate Lilac	$0 15	$0 40
Deep Lavender	15	40
Choice Mixed	10	25

COLLECTION: One pkt. each of above 6 colors, 75 cts.

Centaurea imperialis

VARIOUS CENTAUREAS

	Pkt.
Americana (Basket Flower). A splendid native variety, growing 3 feet high and bearing immense, thistle-like blooms of a rosy lavender color. Very showy in the mixed border and splendid for cutting. ¼oz. 25 cts.	$0 10
Montana (Perennial Cornflower). Grows 2 feet high and bears large, violet-blue flowers from July to September. Large pkt. 25 cts.	10
Suaveolens (Yellow Sweet Sultan or Grecian Cornflower). Very showy, large bright yellow flowers; sweetly scented. ¼oz. 30 cts.	10



Cerastium

WHITE-LEAVED CENTAUREAS · Dusty Millers

Fine for bedding, vases and pots; also extensively used for borders or edgings.

Candidissima. Silvery white; leaves broadly cut; 1 foot. Pkt. 10 cts.; large pkt. 25 cts.

Gymnocarpa. Fine-cut silvery foliage; 1½ feet. Pkt. 10 cts.; large pkt. 25 cts.

CERASTIUM · Snow-in-Summer

Tomentosum. A hardy perennial, valuable for edgings and rockeries; silvery foliage; white flowers. Pkt. 15 cts.; large pkt. 40 cts.

CHELONE · Turtlehead

A good hardy perennial border plant with brilliant, pentstemon-like flowers in July and August, and grassy foliage. Very decorative; fine for cutting. 2 feet.

Barbata Torreyi (*Pentstemon barbatus*). Brilliant scarlet flowers. Pkt. 15 cts.; large pkt. 40 cts.

Hybrida. Mixed. The colors vary from pink to deep red and violet. Pkt. 15 cts.; large pkt. 40 cts.



Cheiranthus Allionii

CLEOME · Giant Spider Flower

Pungens, Rose Queen. A quick-growing annual with large, curious flower-heads of a bright rose color, on stems 4 feet tall. The individual flowers hang gracefully on slender, thread-like stems resembling spiders' legs. Pkt. 10 cts.; ¼oz. 25 cts.

COBAEA

	Pkt.	¼oz.
Scandens. Popular climber of rapid growth. Large, purple, bell-shaped flowers appear in great profusion during the fall months. 20 feet	$0 10	$0 25
Scandens alba. Pure white	10	40

CONVOLVULUS · Morning-Glory

	Pkt.	Oz.
Dwarf (*Convolvulus minor*). Remarkably showy plants, with exceedingly handsome rich-colored flowers, producing an unusually brilliant effect in beds and mixed borders. **Finest Mixed.** 1 foot	$0 10	$0 25
Climbing (*Convolvulus major*). Splendid for covering wire trellises and verandas. **Single.** Mixed	10	25
Mauritanicus. Pretty, dwarf, trailing, violet-blue species. A free bloomer throughout the summer and a gem for the rock-garden. It is a perennial, flowering first year from seed. Not hardy north of Philadelphia	Large pkt. 40 cts.	15

COLEUS

Beautiful foliage plants, both for greenhouses and bedding out in the garden. The striking colors and brilliant variegated leaves are much admired.

	Pkt.
Finest Mixed. Great range of colors	$0 50
Large-leaved, Very large and superbly variegated foliage	50

CHEIRANTHUS

Wallflower

Allionii (Siberian Wallflower). A very pretty biennial growing about 1 foot high, with heads of brilliant orange flowers from May to midsummer. Effective in the rockery. Blooms the first year from seed. Pkt. 10 cts.; large pkt. 25 cts.

Linifolius. Beautiful new species with lilac-mauve flowers. Very free-flowering and good for rockery or borders. Blooms first year from seed. 1 ft. Pkt. 15 cts.; large packet 40 cts.

CHRYSANTHEMUMS

Annual Varieties

Do not confound these annuals with the winter-flowering sorts of the florists. They bloom profusely from early summer until frost, and, when grown in large beds or masses, their bright colors make a splendid show. The plants can be brought into bloom early by sowing the seeds in frames or window-boxes, and afterward transplanting to the garden; or seed may be sown where the plants are to flower, if the seedlings are thinned to 8 to 10 inches apart. Pinching back in early growth makes the plants bushy and shapely. 1 to 1½ feet.



Annual Chrysanthemums

	Pkt.	¼oz.
Eastern Star. Clear yellow, zoned deeper yellow, dark disc	$0 10	$0 25
Evening Star. Large, golden yellow flowers, 3 inches across; excellent for cutting	10	25
Morning Star. Petals canary-yellow, with halo of deeper yellow; disc dark yellow	10	25
Northern Star. Very large, daisy-like flowers, 3 inches across, with pure white fringed petals with canary-yellow zone around a dark brown eye	10	25
Inodorum, Snowball. Double white flowers which are produced from midsummer till frost. Fine for cutting	10	
Coronarium, Double, Mixed. Yellow, White, etc.	Oz. 50 cts.	10 20
Single, Mixed (Painted Daisies)	Oz. 50 cts.	10 20

Perennial Variety

Shasta Daisy. Large white flowers on long stalks. When sown very early under protection the flowers often appear before summer is over	Large pkt. 40 cts.	15

CLARKIA

Elegans. Our double Clarkias are very fine, and can be grown successfully in any garden soil. They flower profusely on long stems and are exceedingly bright and attractive, especially in masses. Clarkias have become very popular of late and are grown extensively in the greenhouse during the winter. 2 to 2½ feet.

	Pkt.	Large pkt.
Double Brilliant. Rich crimson-scarlet	$0 10	$0 25
Double Salmon Queen. Salmon-pink	10	25
Double Orange King. Brilliant orange-scarlet	10	25
Double White. Pure white	10	25
Double Mixed	10	20

CUPHEA · Cigar Plant

Ignea (platycentra). A half-hardy perennial, treated as an annual, that will bloom first year from seeds. Free-flowering plants with small bright scarlet tubular blossoms. 1 foot. Pkt. 15 cts.; large pkt. 40 cts.

CYPRESS VINE

Ipomœa quamoclit

One of the most beautiful climbers, with light, graceful, delicate foliage and bright flowers. 15 feet.

Scarlet. Pkt. 10 cts. oz. 50 cts.

White. Pkt. 10 cts.; oz. 50 cts.

Mixed. White and Scarlet. Pkt. 10 cts.; oz. 50 cts.



Cleome



Cosmos

COSMOS

One of the notable midseason and fall flowers. A strong, tall-growing annual, with bold flowers of exquisite daintiness and airiness heightened in effect by their foliage setting of feathery green. It is most effective when planted in broad masses or long background borders against evergreens or fences. We offer only the choice, large-flowering strains.

Giant Late-Flowering

A magnificent strain. The individual flowers are of enormous size and the most perfect form, while the colors are richly brilliant. These represent the highest developed types in Cosmos. Will keep a week in water after being cut. 6 to 8 ft.

	Pkt.	Large pkt.	Oz.
Pink Lady Lennox	$0 10	$0 25	$0 60
White Lady Lennox	10	25	60
Crimson	10	25	60
Mixed	10	25	50
Klondyke. Golden yellow	15	40	

Giant Early-Flowering

An extra-select strain, combining extreme earliness with great vigor and unusual size of flowers. Commences to bloom in July and continues until cut down by frost. The flowers often measure 4 inches across. 4 feet.

	Pkt.	Large pkt.	Oz.
White	$0 10	$0 25	$0 75
Pink	10	25	75
Crimson	10	25	75
Mixed	10	25	60



Double Cosmos

Double Early-Flowering

An extra-early strain of the Double Crested which is just as beautiful as the late, and comes into flower as early as the Extra-Early Singles. Highly recommended.

	Pkt.	Large pkt.
Carnelia. Crimson	$0 25	$0 75
Peach Blossom. Pink.	25	75
Whirlwind. White	25	75
Mixed	25	75

COREOPSIS

Lanceolata grandiflora. One of the grandest perennial plants. Fine in masses or as cut-flowers. The individual blooms are very large and of the richest golden yellow. Pkt. 10 cts.; ¼oz. 25 cts.

Lanceolata grandiflora fl.-pl. (New.) A semi-double variety of the above. An excellent cut-flower. Pkt. 15 cts.; ¼oz. 50 cts.

Mayfield Giant. See Novelties and Specialties, page 7.

For Grass Seed and directions for making a perfect lawn see pp. 2-4.



Coreopsis lanceolata grandiflora

CYNOGLOSSUM · Chinese Forget-me-not

Amabile. An annual recently introduced from China and of the easiest culture, forming strong plants 18 to 24 inches high and producing, through the summer months, sprays of intense blue forget-me-not-like flowers, delicately sweet-scented. Pkt. 15 cts.; ¼oz. 40 cts.



Cynoglossum amabile

CYCLAMEN

Persicum giganteum. These are among the most beautiful winter- and spring-flowering plants for the greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental. The seed we send out is grown by a Cyclamen specialist in England.

	Pkt.	100 sds.
Blood-red	$0 50	$2 50
Bright Rose	50	2 50
Salmon King. Salmon-pink.	50	2 50
Vulcan. Deepest red	$0 50	$2 50
White, with Dark Eye	50	2 50
White Swan. Pure white	50	2 50
Finest Mixed	40	2 00

	Pkt.
Butterfly (Papilio or Victoria). Very large flowers with fringed and fluted petals	$0 50
Cherry Ripe. The brightest red Cyclamen in cultivation	75
Fragrance. Rose; remarkably sweet-scented	75
Mrs. Buckston. A real salmon shade—a lovely tint	75
Pink Pearl. A lovely pale salmon	75

DAHLIAS

These half-hardy perennials are very easily grown from seed, all classes coming quite true and supplying magnificent colors. In the garden these seedling Dahlias bloom as early and freely as the plants grown from tubers. The seed we offer has been saved from a superb collection of the finest-named varieties. Half-hardy perennial.

Coltness Hybrids. See Novelties and Specialties, page 7.

Double Cactus-flowered, Finest Mixed. Pkt. 25 cts.; large pkt. 75 cts.

Giant Decorative. Beautiful flowers, varying in form between the Show and the Cactus Dahlias. Saved from a very fine collection. Pkt. 15 cts.; large pkt. 40 cts.

Giant Peony-flowered, Mixed. Saved from finest blooms. Pkt. 15 cts.; large pkt. 40 cts.



Cyclamen persicum giganteum



Delphiniums

DAHLIAS, continued

Collarette. A novel type, having a row of petals around the disc, like a frill or collar, and which is of a different color than the regular petals. Mixed colors. Pkt. 15 cts.; large pkt. 40 cts.

Single Mixed. Large, showy flowers. Pkt. 10 cts.; large pkt. 25 cts.

Single Giant Perfection. Flowers of immense size, averaging 6 inches across. Finest mixed. Pkt. 10 cts.; large pkt. 25 cts.

DATURA

Trumpet Flower

Ornamental annuals of rapid growth with large, trumpet-shaped, fragrant flowers. 3 feet.

Cornucopia (Horn of Plenty). Flowers white inside, purple outside. Pkt. 10 cts.; large pkt. 25 cts.

Fastuosa Huberiana. Large, double flowers of various colors. Pkt. 10 cts.; large pkt. 25 cts.

DELPHINIUM · Perennial Larkspur

The tall, stately flower-spikes of the Delphinium rise to a height of 5 to 6 feet and supply the garden with a wealth of pale blue, azure-blue, gentian-blue, sapphire, and royal purple hues. They are effective in all situations and demand rich, deeply cultivated soil and considerable moisture. If flower-spikes are cut when through blooming, others will replace them.

	Pkt.	Large pkt.
Waterer's Superb Hybrids. A magnificent strain containing many of the finest and newest varieties that have been carefully selected with a view to making a mixture which would include all the most beautiful shades of color obtainable in a perfect blend	¼oz. $1.25	$0 50
Waterer's Pastel Shades. A beautiful mixture of the large-flowering Delphinium in the pale shades, such as pale blue, mauve, rosy mauve, etc.	¼oz. $1.50	50
Gold Medal Hybrids. Choicest mixture. All shades of blue from best-named varieties only	¼oz. 60 cts.	15
Belladonna, Improved. A greatly improved strain, with brighter, larger blue flowers, more vigorous and taller growth, and excelling any other Belladonna for continuous blooming	25	$0 75
Belladonna, Fanny Stormouth. Light azure-blue; very large	25	75
Bellamosum. A deep blue form of the popular Belladonna	25	75
Cardinale. Bright scarlet, with yellow center	25	75
Chinense. A distinct and neat variety, growing about 1½ feet high, with fine feathery foliage, and producing freely spikes of large blossoms of intense gentian-blue	¼oz. 40 cts.	10
Chinense album. The white-flowered form of the preceding	¼oz. 40 cts.	10
Elatum hybridum fl.-pl. Double varieties; finest mixed	15	40
Formosum. Splendid dark blue flowers with a white center	15	40
Hollyhock Strain. See Novelties and Specialties, page 7.		
Nudicaule. Dwarf, compact grower, with spikes of bright scarlet flowers. 1½ feet	15	40

DIGITALIS · Foxglove

Showy, hardy perennials of easy culture. As a background in shrubbery, or as specimen plants in large beds, they are equally striking and effective. Sow in July for strong flowering plants the following season.

Spotted Varieties. A superb mixture, containing a wonderful range of colors. Pkt. $0 10, Large pkt. $0 25

Monstrosa. Long spikes, surmounted by one enormous flower. All colors mixed. Pkt. 10, Large pkt. 25

Gloxiniæflora. Large, spotted, gloxinia-like flowers produced on long spikes.

	Pkt.	Large pkt.		Pkt.	Large pkt.
White	$0 10	$0 25	**Purple**	10	25
Rose	10	25	**Mixed**	10	25

Isabellina. A very striking new variety, producing yellow flowers which gradually develop a chamois, or buff shade. Pkt. 75 cts. $0 25

Shirley Strain. A new strain of giant Foxglove, raised by the late Rev. W. Wilkes. The plants attain a height of 5 to 7 feet, with spikes 3 to 4 feet long, carrying flowers of giant size, ranging in color from white to dark rose and handsomely blotched and spotted cream, maroon, and chocolate. ¼oz. 50 cts. 15

DIANTHUS · Pinks

In this large and greatly varied genus are some of our most beautiful and best-loved flowers, unsurpassed for color and fragrance. They are hardy biennials that bloom finely the first season, remaining green all winter and blooming the next year also, if lightly protected. Old plants flower the earliest, but as young ones give the largest, finest flowers, sowings are made every year. Seed may be sown in the open in early spring when the danger of frost is past and if the situation is open and the ground is well prepared, they will flower luxuriantly in a few weeks' time and continue until hard frost. For best results, seedlings should be thinned out to have plants stand 6 inches apart. They average 1 foot in height and are splendid for borders and for cutting.

Hardy Garden Pinks

These form low, bushy, tufted plants, above which are produced, on long stems, the beautiful fringed and fragrant flowers so valued in old-fashioned gardens and rockery.

Allwoodi. (New.) Hybrid between carnation and pink. Varied colors. Blooms from seven to nine months from date of sowing. Pkt. $0 50, ¼oz.

Cæsius (Cheddar Pink). A splendid rock-plant, forming dense tufts 3 inches high and bearing bright rosy pink flowers in May and June. Pkt. 15, ¼oz. $0 50

Deltoides (Maiden Pink). Delicate pink blooms carried above fine, feathery foliage. For the rockery or edging. Large pkt. 40 cts. 15

Deltoides, Brilliant. Same habit as the above. Flowers vivid crimson. Large pkt. 75 cts. 25

Plumarius, Single Mixed (Pheasant's-Eye Pink). Large, single, fringed flowers, beautifully marked in many colors. 10 40

Plumarius fl.-pl. (Double Hardy Garden Pinks). Double and semi-double 15 60

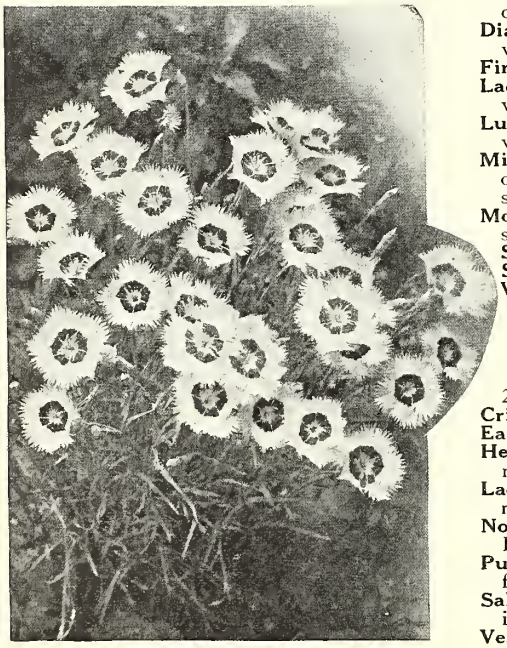
Semperflorens (Everblooming Hardy Garden Pinks). Beautiful, sweet-scented, double, semi-double, and single flowers in great diversity of color. 25 75

Scotius (Scotch Pinks). Excellent perennial garden plants, about 1 foot high when in bloom. They are vigorous, very hardy, and flower profusely during spring and early summer. Flowers large, very double, beautifully fringed, and emit a clover-like perfume. Mixed colors. 25 1 25



Digitalis, Shirley Strain

All Flower Seeds are sent postpaid at prices quoted



Dianthus plumarius

Double Annual Pinks

Chinensis fl.-pl (China, or Indian Pink). Blooms in clusters; flowers very double and in a large range of bright colors. Pkt. $0 10, ¼oz. $0 25

Diadematus fl.-pl. (Double Diadem Pink). Beautiful double flowers of various tints of lilac, crimson, and purple; outer edges fringed. 10 35

Fireball. Extra-double brilliant dark scarlet; very beautiful. 10 50

Laciniatus fl.-pl. (Double Fringed Pink). Large, double flowers, in a great variety of colors; edges fringed. 10 35

Lucifer. Brilliant orange-scarlet flowers measuring about 2 inches across; very dazzling and popular variety; nicely fringed. 10 50

Mirabilis fl.-pl. (Double Marvelous Pink). Large, fringed, double flowers on long, stiff stems, the colors ranging from pure white through all the shades of rose to dark crimson. 10 50

Mourning Cloak. Flowers very dark velvety crimson, each petal being strikingly edged white. 10 40

Salmon King. Brilliant salmon-rose. 10 50

Snowdrift. Large, double, white flowers; excellent for border or cutting. 10 50

Violet Queen. Rich violet, an unusual shade. 10 50

COLLECTION: One pkt. each of above 10 varieties, 85 cts.

Single Annual Pinks

These single sorts contain many beautiful varieties, the flowers of which often measure 2 to 3 in. in diameter. They are very effective for borders or beds. 1 ft.

Crimson Belle. Rich crimson. Pkt. $0 10, ¼oz. $0 35

Eastern Queen. Delicately marbled rose and mauve. 10 40

Heddewigi (Single Japan Pink). Finest selected single-flowered varieties, mixed. 10 30

Laciniatus (Single Fringed Pink). The fringed flowers come in a great variety of colors. 10 35

Nobilis (Royal Pink). Improved varieties of the single-flowering Japan Pink. Colors white to dark red. 10 40

Punctatus (Princess Pink). A fine variety, with fringed flowers, mottled, flaked, spotted, and striped in the greatest diversity of colors. 10 40

Salmon Queen. Beautiful fringed flowers of brilliant salmon color, changing to old rose when fading. 10 50

Vesuvius. Beautiful orange-scarlet flowers, very striking in beds or borders. 10 50

COLLECTION: One pkt. each of above 8 varieties, 65 cts.

DIMORPHOTHECA · Star of the Veldt


Dimorphotheca aurantiaca

Only recently introduced from South Africa, the plant has become instantly popular. Rather dwarf in growth (12 to 15 inches high), the foliage remains nestled to the ground, while the innumerable flower-stems appear continuously all summer. Thin and wiry they hold erect a daisy-like flower, with very narrow, long petals, which curve upward, thereby giving the flower a most interesting appearance. The flowers, both in the garden and when cut, will close up toward evening and reopen freshly the next morning. Seeds can be sown outdoors, as it flowers very quickly and remains a blaze of bloom until frost. It delights in sunny situations. 1 foot.

	Pkt.	¼oz.
Aurantiaca. Golden orange with dark disc	$0 10	$0 40
Aurantiaca, Salmon Beauty. True salmon shade	15	75
Aurantiaca Hybrids. Varying in colors from white to blush-white, lemon-yellow to reddish yellow, pale salmon to golden orange	10	50
Ecklonis. A beautiful species of light, graceful habit, bearing elegant white flowers, 3 inches across, with dark blue-spotted center, and reverse of petals blue and mauve. In bloom from spring to autumn. Large pkt. 75 cts.	25	


Dolichos

DICTAMNUS · Gas Plant

The glossy, leathery leaves are dark green and retain their deep color until late in fall. Its flowers are borne on spikes 2 to 3 feet high. Both the foliage and flowers are fragrant and when the parts are crushed in the hand, they have the fragrance of a lemon. Hardy perennial.

	Pkt.	Large pkt.
Albus. Spikes of attractive pure white sweet-scented flowers	$0 15	$0 40
Albus rubra (Fraxinella). Large spikes of deep pink, purple-veined flowers	15	40

DIDISCUS

Cærulea (Blue Lace Flower). This pretty and interesting annual blooms most profusely from July till November; also used extensively for early spring flowering in a cool greenhouse; their exquisite pale lavender blossoms are excellent for cutting; plants grow about 1½ feet high, and have as many as fifty flowers open at one time. Pkt. 15 cts.; large pkt. 40 cts.

DOLICHOS · Hyacinth Bean

A rapid-growing annual climber, bearing large, handsome foliage and bright flowers, followed by curious bean-shaped pods.

	Pkt.	Oz.
Darkness. Stems and under sides of foliage purplish red. The numerous spikes of reddish purple, pea-like flowers are succeeded by showy seed-pods. 8 to 10 feet	$0 10	$0 25
Daylight. Covered with pure white flowers from the ground up; ornamental white pods. 8 to 10 feet	10	25

DORONICUM · Leopard-bane

Caucasicum. Large, bright yellow, daisy-like flowers. One of the most effective early spring-flowering perennials. It is a splendid flower for cutting as it carries well and stands a long time in water. They succeed well anywhere. Pkt. 50 cts.

DRACAENA

Ornamental greenhouse plants; fine for pots, vases, or beds; green leaves.

	Pkt.	¼oz.
Indivisa. Narrow leaves	$0 10	$0 25
Australis. Broad leaves	$0 10	$0 30

ECHINOPS · Globe Thistle


Didiscus cærulea

All the Globe Thistles are distinctive plants and are well adapted to plant in borders, among shrubbery, or to use as bold specimen plants. The round, ball-like flower-heads, entirely covered with needle-like thistles, are excellent for cutting; can be dried, and will remain attractive for months.

Ritro. Steel-blue flower-heads. 3 to 4 feet. Pkt. 10 cts.; large pkt. 25 cts.

ECHINOCYSTIS · Wild Cucumber

Lobata. One of the quickest-growing annual vines we know of. Splendid for covering trellises, old trees, fences, etc. Clean, bright green foliage and sprays of white flowers in July and August. Pkt. 10 cts.; oz. 30 cts.

EDELWEISS

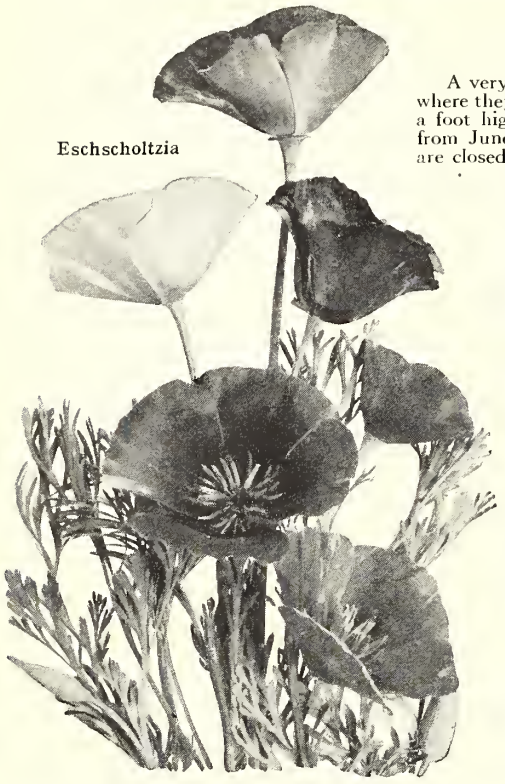
Common (*Leontopodium alpinum*). The true and famous Edelweiss of the Alps. The flowers are of downy texture, pure silver-white and star-shaped. Succeeds in almost any soil with full exposure to sun. 6 inches. Pkt. 25 cts.; large pkt. 75 cts.

EREMURUS

New Hybrids. A noble group of plants, and quite hardy. When established, they throw up magnificent 6- to 10-foot spikes, each carrying some hundreds of white and pink flowers, arranged symmetrically around the stem. They should not be disturbed, but planted for permanent effect. Pkt. 50 cts.

ERIGERON

Speciosus. An attractive perennial with large, clear, pale mauve flowers having bright golden yellow centers. Excellent for cutting. 18 inches. Pkt. 15 cts.; large pkt. 40 cts.



Eschscholtzia

ESCHSCHOLTZIA · California Poppy

A very interesting and popular annual, readily grown from seed sown outdoors in May in the spot where they are wanted and simply thinned out. The beautiful lace-like foliage covers the entire growth a foot high and has a silvery sheen. The cone-shaped poppy flowers appear on fairly long stems from June until frost without interruption. If the flowers are cut early in the morning while they are closed-up buds, they will last fully two days in water.

	Pkt.	¼oz.
Californica aurantiaca. Rich orange	$0 10	$0 25
The Geisha. The prettily fluted petals are brilliant golden on the inside and intense orange-crimson on the outside	10	50
Golden West. Yellow, with orange center	10	25
Mandarin. Inside of petals orange, outside scarlet	10	25
Mauve Beauty. Pure mauve	15	75
Rosy Queen. Soft flesh-pink	10	25
Scarlet Beauty. Vivid, deep, even scarlet	15	75
Vesuvius. Wallflower-red	10	25

COLLECTION: One pkt. each of above 8 varieties, 75 cts.

		Pkt.
Mixed. Rich shades of Crimson, Pink, and Orange-Scarlet	oz. 40 cts.	$0 10
Hybrid Mixed. New, large-flowering, erect type, containing a large percentage of new colors in Eschscholtzias, including Soft Pink, Scarlet, Chrome, Copper-red, Claret and Royal Purple	oz. $1.25, ¼oz. 40 cts.	10

ERYNGIUM · Sea Holly

Handsome, ornamental perennials for flower and shrubbery borders. Blooms from July to September. Finely cut, spiny foliage, with beautiful, thistle-like heads of amethystine-blue. Fine for winter bouquets. The flowers are very decorative in baskets when combined with gladiolus.

Amethystinum. Deep blue. 3 feet. Pkt. 25 cts.; large pkt. 75 cts.

EUPHORBIA

Plants with ornamental foliage; very showy and easily raised from seed.

Variegata (Snow-on-the-Mountain). Elegant, bushy plants, with broad green leaves veined and margined with white. Attractive in foliage groups and among flowers. 2 feet. Pkt. 10 cts.; ¼oz. 20 cts.

Heterophylla (Annual Poinsettia or Mexican Fire-Plant). An annual, bushy plant, with highly ornamental leaves, which in summer and autumn become dark fiery scarlet. 2 to 3 feet. Pkt. 15 cts.; large pkt. 40 cts.



Euphorbia variegata

EUPATORIUM

A fine hardy perennial, which will grow and thrive in almost any situation; blooms the first season from seed if sown early; excellent for cutting. 2 feet.

Fraseri. Feathery white flowers. Pkt. 10 cts.; large pkt. 25 cts.



Mrs. J. Bradshaw Geum

GENTIANA

(Blue Gentian)

Acaulis. A dwarf, hardy perennial; deep blue flowers; moist, shady situations. Pkt. 15 cts.; large pkt. 40 cts.

GERBERA · Transvaal Daisy

A beautiful race of flowering plants brought into prominence recently with the introduction of the new various-colored hybrids. They are half-hardy perennials, usually grown as greenhouse- or window-plants, where they flower continuously. The daisy-like blossoms, 3 to 4 inches across, are borne on 12- to 18-inch stems, and are unsurpassed as cut-flowers, being of splendid lasting substance. For garden culture in cold climates, the plants are wintered over in coldframes.

	Pkt.	100 sds.
Jamesoni. Beautiful orange-scarlet	$0 50	$1 00
Jamesoni Hybrids. Colors ranging from pure white, through yellow, orange, salmon, rose, and ruby-red to violet	50	1 00

GEUM

Following the introduction of these new varieties, Geums have become very popular and in great demand. They are particularly valuable for the hardy border, because if the old stems are kept cut back they will remain in bloom over a much longer period than other hardy plants. Geums are hardy perennials producing dwarf, tufted plants from which rise graceful stems, 2 feet high, bearing beautiful double flowers freely throughout the summer. They are also valuable for cut-flowers.

	Pkt.	Large pkt.
Mrs. J. Bradshaw. Brightest scarlet	$0 15	$0 40
Lady Stratheden. Fine double yellow flowers	25	75
Orange Queen. Beautiful, double, orange flowers	25	75

GLOXINIA

Hybrida grandiflora. An unsurpassed strain, containing the spotted hybrids as well as the finest self-colored sorts. Pkt. 50 cts.

GAILLARDIA · Blanket Flower

PERENNIAL VARIETIES

Showy and handsome hardy perennials for beds and borders. The flowers are a most peculiar combination of shades, varying between gold and maroon.

		Pkt.
Grandiflora. Flowers maroon and orange. 2 feet	¼oz. 30 cts.	$0 10
Grandiflora compacta. Compact; rich and varied	¼oz. 35 cts.	10
Grandiflora sanguinea. Copper-red—very striking color	¼oz. 40 cts.	15

Grandiflora, Dazzler. See Novelties and Specialties, page 7.
Grandiflora, Portola Hybrids. See Novelties and Specialties, page 7.

ANNUAL VARIETIES

An exceedingly popular and showy annual, producing throughout the summer an abundance of large, handsome flowers of various colors.

	Pkt.	¼oz.
Amblyodon. Large, single, salmon-red flowers, deep crimson centers; very showy and fine for cutting. 2 feet	$0 15	$0 40
Picta. Single-flowered. Fine mixture of colors. 1 foot	10	25
Picta, Indian Chief. (New.) Bronzy red	10	30

	Pkt.	¼oz.
Lorenziana, Double, Finest Mixed. Beautiful colors, flowering all summer. Fine for bedding or cutting. 1½ feet	$0 10	$0 35
Lorenziana, The Bride. White, double; fine for cutting	10	30

GILIA

This is a very graceful annual, growing about 2 feet high, with fine feathery foliage and bearing freely, over a long season, globular heads about 1 inch across.

	Pkt.	¼oz.
Capitata. Pale mauve flowers gracefully poised on long stems	$0 10	$0 25
Tricolor. Lavender and white flowers with black throat	10	25

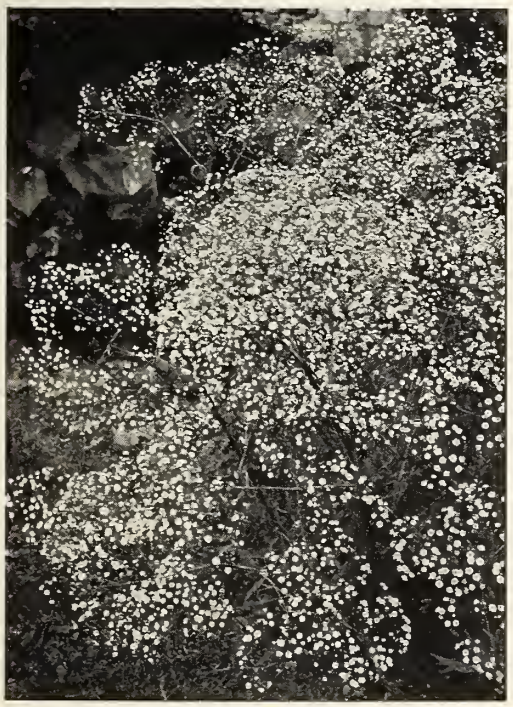
GLOBE AMARANTH · Gomphrena

Sometimes called "Bachelor's Buttons." Popular bedding plants; flowers resemble clover-heads and can be dried and used in winter bouquets. 2 feet. **Pink, White, Purple,** and **Mixed,** each, pkt. 10 cts.; large pkt. 25 cts.

GODETIA

An attractive hardy annual, deserving more extensive cultivation. The plants bloom profusely and bear showy flowers of satiny texture in many rich and varied colors. 1 foot.

Crimson Glow. Forms a compact little bush about 9 inches in height, completely smothered with flowers of the most dazzling crimson. Pkt. 10 cts.; ¼oz. 60 cts.
Schwamini, Rosy Morn. This is a lovely coral-pink, and the flowers are very double. Excellent for cutting and very free flowering. Pkt. 10 cts.; ¼oz. 50 cts.
Mixed. All colors. Pkt. 10 cts.; ¼oz. 25 cts.



Gypsophila paniculata



Gomphrena



Gaillardia grandiflora

ORNAMENTAL GOURDS

Gourds grow luxuriantly and are useful for covering arbors, fences, etc. The fruits they bear are very ornamental and keep well. 15 to 20 feet.

	Pkt.	Largepkt.
Apple-shaped	$0 10	$0 25
Bottle-shaped	10	25
Dipper-shaped or **Calabash**	10	25
Luffa (Dish-rag)	10	25
Egg-shaped	10	25
Hercules' Club	10	25
Orange-shaped (Mock Orange)	10	25
Pear-shaped	10	25
Fine Mixed	10	25

IMPORTED COLLECTION: Twelve varieties, 75 cts.

GREVILLEA · Silk Oak

Robusta. Really a greenhouse plant, but can be successfully grown as an annual. It is a neat little shrub, with delicate fern-like foliage. Very useful for table decoration and in foliage groups. Pkt. 10 cts.; large pkt. 25 cts.

GYPSOPHILA · Baby's Breath

Feathery panicles of tiny star-shaped flowers, gracefully and daintily borne on slender stems. A charming effect may be had by mixing sprays of Baby's Breath with other long-stemmed cut-flowers.

		Pkt.
Elegans alba grandiflora. This is an improved, large-flowering, pure white form of the annual Baby's Breath, of free, easy growth. Several sowings should be made during the season to keep up a supply	Oz. 25 cts.	$0 10
Elegans rosea. A pretty blush-pink form of the above and equally as valuable for cutting	Oz. 30 cts.	10
Muralis. A lovely little rock or edging plant with rose-pink flowers	¼oz. 30 cts.	10
Paniculata. One of the favorite hardy perennials. White flowers; fine for bouquets. Blooms first year if sown early. 2 feet	¼oz. 25 cts.	10
Paniculata fl.-pl. The double-flowering Baby's Breath, and one of the finest hardy plants for cutting	Large pkt. 75 cts.	25
Repens, White. An elegant trailing plant for the rockery, with clouds of small white flowers in July and August	Large pkt. 40 cts.	15
Repens rosea. A rose-flowered form of the above	Large pkt. 40 cts.	15

Order your seeds now. Have them on hand when you are ready to plant



Heliotrope

GRASSES • Ornamental

For borders and ornamental gardening; also, when dried, for winter bouquets and decorations.

Agrostis nebulosa (Cloud Grass). An airy and graceful annual grass that looks like a line of mist when in bloom. Beautiful to mix with cut-flowers. 1½ feet.....Large pkt. 25 cts.. Pkt. $0 10

Briza maxima (Quaking Grass). Valuable for winter bouquets and wreaths. The seed-clusters are heart-shaped and gracefully poised on such slender stems that they are almost constantly in motion. 1 foot.....Large pkt. 25 cts.. 10

Coix lacryma-Jobi (Job's Tears). Broad, corn-like leaves with hard, shining, pearly seeds which may be used as beads. 2 to 4 feet.. Large pkt. 25 cts... 10

Eragrostis elegans (Love Grass). Of erect growth about 18 inches high, with feathery panicles, nice for cutting..Large pkt. 25 cts... 10

Pennisetum longistylum. Annual. Graceful, greenish white plumes; fine for beds or dried bouquets. 2 feet.....Large pkt. 25 cts... 10

Pennisetum Ruppeli (Purple Fountain Grass). Annual. Excellent for beds or for dried bouquets; purple plumes. 3 feet.....Large pkt. 25 cts... 10

IMPORTED COLLECTION: Twelve varieties, 75 cts.

HELENIUM

A hardy and beautiful perennial, producing a large quantity of long-stemmed yellow flowers with black centers; very suitable for cutting. In bloom from July to October. 2 to 3 feet.

	Pkt.	Large pkt.
Bigelowi. Golden yellow, with black center	$0 25	$0 75
Riverton Gem. Orange-yellow, dark center	25	75

HELIOTROPE

A half-hardy perennial, flowering during the whole season. Its delightful perfume makes it a most desirable bouquet flower. A splendid bedding plant. Seed started indoors in the spring will make fine plants for summer blooming; can also be sown outdoors in May.

	Pkt.	Large pkt.
Lemoine's Giant. Of robust habit of growth and produces heads of flowers nearly double the size of the old sort. Mixed colors	$0 15	$0 40
Queen Marguerite. Very large umbels of dark blue flowers	25	75
Regale. An improved variety of dwarf habit, with large masses of bloom	25	75



Helichrysum

HELICHRYSUM • Straw Flower

One of the best of the "Everlastings." They succeed in any good garden soil. The large, double flowers of rich, glittering colors make a fine display in beds or borders, but are especially grown to dry for winter use in baskets, vases, etc. When grown for winter use, they should be cut when the flowers are about one-third open, but with as long stems as possible; take off all foliage, tie in bunches, and hang head downward in some dark, dry place until the stems are thoroughly dry. Our seeds are of the Monstrosa or large-flowering type, which insures you an abundance of large, double flowers of the most brilliant colors. Helichrysum should be planted 12 to 15 inches apart, to give them plenty of room to develop.

	Pkt.	¼ oz.
Double Salmon-Pink	$0 10	$0 30
Double Fireball. Bright red	10	30
Double Golden Ball. Yellow	10	30
Double Rose Queen. Old-rose	10	30
Double Silver Ball. White	10	30
Double Violet Queen. Rich color	10	30
Double Mixed. All colors	10	25

COLLECTION: One pkt. each of above 6 colors, 50 cts.



Helianthemum

HELIANTHEMUM • Rock or Sun Rose

Chamæcistus mutabile. Exceedingly pretty, low-growing, evergreen plants about 1 foot high, forming broad clumps which are hidden by a dense mass of bloom during their flowering season, July to September. Well adapted for the front of the border, the rockery, or a dry, sunny bank. Choice mixed, pkt. 15 cts.; large pkt. 40 cts.

HELIOPSIS

Pitcheriana. Pretty, branching, perennial plants with numerous, large yellow blossoms, resembling sunflowers. Fine for cutting; blooms all summer. 2 to 3 feet. Pkt. 10 cts.; large pkt. 25 cts.

HEUCHERA

Sanguinea. Excellent plants for rockeries and borders. The foliage grows close to the ground, and above it rise numerous graceful panicles of flowers of a vivid shade of coral-red, which make fine cut-flowers. Blooming period from May till September. 1 foot. Pkt. Large pkt. 75 cts. ..$0 25

Choice Hybrids. (New.) From white to glowing crimson. . Large pkt. 75 cts. . . 25



Heuchera sanguinea

HIBISCUS · Marsh Mallow

Tall-growing plants especially adapted to backgrounds and shrubbery borders. Of easiest culture, and bloom the entire season. 4 to 5 feet.

Grandiflorus hybridus. A new race of large-flowered perennial Hibiscus. Excellent for borders. Beautiful mixture of Reds, Pinks, White, Blush, and Clear Rose. 4 feet. Pkt. 25 cts.; large pkt. 75 cts.

Grandiflorus, Sunset. A beautiful plant for the greenhouse or outdoors. Flower very large, pale yellow, black center. Half Hardy Annual. Pkt. 15 cts.; large pkt. 40 cts.



Double Hollyhock

HOLLYHOCK

A hardy perennial of upright, stately growth, 5 to 8 feet high. The very double varieties are the most desirable, but the newer, semi-double, fringed types are also very popular. Hollyhocks make a fine row in a garden, or a fine background next to a building or high wall or fence.

Chater's Double White. Pkt. 10 cts.; large pkt. 25 cts.

Chater's Double Scarlet. Pkt. 10 cts.; large pkt. 25 cts.

Chater's Double Sulphur-Yellow. Pkt. 10 cts.; large pkt. 25 cts.

Chater's Double Bright Rose. Pkt. 10 cts.; large pkt. 25 cts

Chater's Double Salmon-Rose. Pkt. 10 cts.; large pkt. 25 cts.

Chater's Double Maroon. Pkt. 10 cts.; large pkt. 25 cts.

COLLECTION: Six colors, 50 cts.

Chater's Finest Mixed . . . . . Pkt. Large pkt. 25 cts. ..$0 10

Queen of Sheba. A unique color in the highly perfected class of Chater's Double Hollyhocks. The very double and finely formed flowers of this superb variety are of a beautiful primrose-buff hue, with rosy reflection—a lovely and most effective coloring . . . . . Pkt $0 25

Double Exquisite. (New.) Fringed like a double petunia, each white-margined petal is adorned with large blotch of various colors from rose to purple 35

Double Newport Pink. The very double flowers are pure pink . . . . . Large pkt. 25 cts. . . 10

Mammoth Fringed Allegheny. Flowers 5 inches across, in splendid rich colors; petals beautifully laced and fringed; very robust habit. Choicest mixed . . . Large pkt. 25 cts. . . 10

Single Mixed. Fine and showy . . . . . Large pkt. 25 cts. . . 10

HONESTY · Moonwort

Hardy biennial, admired for its silvery seed-pouches, which are used for house ornaments. Beautiful and curious purple flowers. Sow seed in open in May and protect over winter. 2 feet. Pkt. 10 cts.; ¼oz. 30 cts.

HUMULUS · Japanese Hop

A rapid summer climber which attains a height of 20 to 30 feet, resembling the common hop, but, being an annual, attains full perfection the first season. The foliage is luxuriant, making a dense covering. It is one of the best plants for covering verandas, trellises, etc., producing grateful shade and being very ornamental. Heat, drought, and insects do not trouble it.

	Pkt.	¼oz.
Japonicus. Beautiful green foliage	$0 10	$0 25
Variegatus. A variegated variety with handsome foliage	10	25



Humulus japonicus

HUNNEMANNIA · Giant Yellow Tulip Poppy

Fumariæfolia. This very beautiful plant forms a shrubby bush 2 feet in height, with finely cut foliage, similar to that of the California poppy, and produces large, tulip-shaped flowers on long, stiff stems, from August to November. The color is a clear, brilliant yellow, the petals resembling crushed satin. The flowers will keep in water for several days. Sow seed early in the spring, in shallow drills where the plants are to bloom. Pkt. 10 cts.; ¼oz. 25 cts.; oz. 75 cts.

ICE PLANT

Pretty trailing summer half-hardy annual for vases and rock-work; leaves covered with ice-like drops; flowers white. 6 inches. Pkt. 10 cts.; ¼oz. 25 cts.

INCARVILLEA

Delavayi. A rather new hardy perennial that originated in northern China and is one of the prettiest perennials known. It produces divided, pale green leaves about 2 feet in length. The tube-shaped, bright rose flowers are borne on long, stout stems and appear almost like gloxinias. Pkt. 25 cts.; large pkt. 75 cts.

INULA · Fleabane

A very fine hardy perennial border plant bearing many aster-like blossoms from June to August. Useful for rockwork.

	Pkt.	Large pkt.
Grandiflora. Large, deep yellow flowers; very showy. 2 feet	$0 25	$0 75
Ensifolia. Bright golden yellow flowers. Especially useful for the rock-garden. 1 foot	25	75

IMPATIENS

Very effective for bedding and succeeds particularly well in half-shady places, blooming continuously throughout the summer; also makes splendid pot plants that bloom in profusion all winter long.

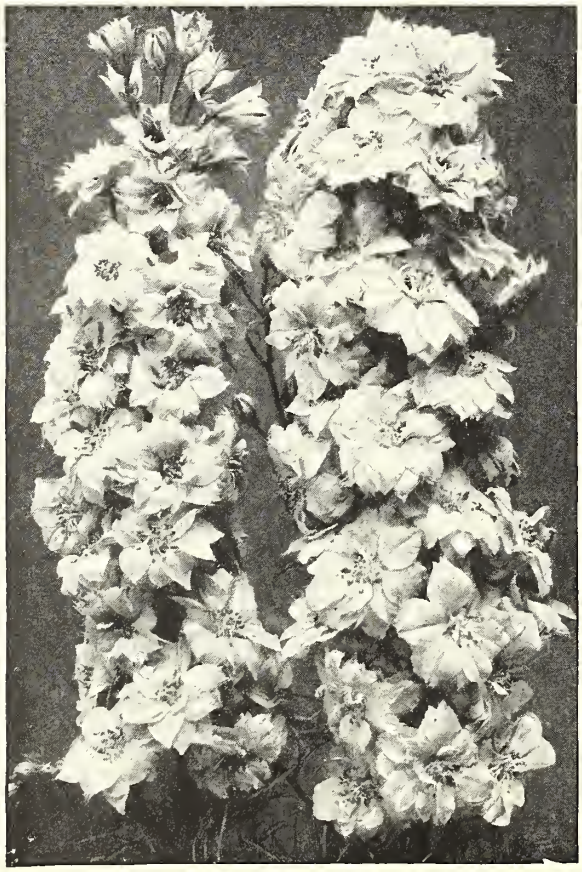
	Pkt.	Large pkt.
Holstii Hybrids. Colors varying from pink to vermilion-scarlet	$0 25	$0 75
Sultani. Bright rosy carmine	25	75

IPOMOEA

Climbers of rapid growth, with beautiful and varied flowers. For covering walls, trellises, arbors, or stumps of trees they are invaluable. It is well to soak the seed in warm water over night to assist in germination.

	Pkt.	Oz.
Imperialis (Japanese Morning-Glory). The flowers are of enormous size and of great variety of colors	$0 10	$0 30
Setosa (Brazilian Morning-Glory). The rose-colored flowers are borne very freely in large clusters from August to frost	10	35
Rubro-cærulea grandiflora (Heavenly Blue). Immense flowers of a bright sky-blue. ½oz. 50 cts.	15	75
Noctiflora (Moonflower). At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers, 5 to 6 inches in diameter. ½oz. 35 cts.	10	60

A Choice Selection of Gladiolus Bulbs is offered on pages 74, 75



Double Stock-flowered Larkspur



Japanese Morning-Glories

JACOBAEA (*Senecio elegans*)

A really beautiful, free-flowering, easily grown, hardy annual, producing fine heads of double flowers which are extremely valuable for cutting. Colors include pink, red, purple, violet, and white.

	Pkt.	Large pkt.
Tall, Double, Mixed	$0 15	$0 40
Dwarf, Double, Mixed. 9 inches	15	40

KAULFUSSIA

Amelloides (*Charieis bete ophylla*). An excellent annual of easy culture. Small, single, aster-like flowers of light blue. Very beautiful as an edging plant or in rockery. Pkt. 10 cts.; ¼oz. 50 cts.

KOCHIA

Trichophylla Childsi (Summer Cypress). A very ornamental plant of graceful habit, with finely cut green foliage which changes to a deep red in the autumn. It forms a neat little bush somewhat resembling a small cypress tree. A splendid hedge plant for the summer. 3 feet. Pkt. 10 cts.; ¼oz. 20 cts.

KUDZU VINE (*Pueraria Thunbergiana*)

A perennial climber from Japan; fine when once established, often growing 40 feet in a season. Purplish violet, fragrant, wisteria-like flowers; good foliage. Pkt. 10 cts.; ¼oz. 25 cts.

LARKSPUR (Tall Double Stock-flowered)

Larkspurs or Annual Delphiniums bloom quickly from seed sown in the spring, and their fine flower-spikes are exceedingly graceful and attractive in the garden, especially if planted in shrubbery borders or in large beds. They furnish some of the finest cutting material. 2½ to 3 ft.

Exquisite Pink. **Rosy Scarlet.**
Exquisite Rose. **White Spire.**
La France.
} See Novelties, page 8.

	Pkt.	¼oz.
Dark Blue	$0 10	$0 25
Lilac	10	25
Lustrous Carmine or **Newport Pink**	10	25
Shell-Pink	10	25
Sky-Blue	10	25
Pure White	10	25
Finest Mixed	10	25
Dwarf Rocket. A choice mixture of varieties that grow about 1 foot in height	10	20



Perennial Sweet Pea (Lathyrus)

LAVATERA · Annual Mallow

Beautiful annual, producing profusely the entire summer, large, cup-shaped flowers. Sow in the garden in May and thin out 1 foot apart. 2 feet.

Trimestris grandiflora rosea. Brilliant pink. Pkt. 10 cts.; ¼oz. 25 cts.

LAVENDER (*Lavandula vera*)

True Lavender. Popular sweet-scented hardy perennial; fine for mixed border. 3 feet. Pkt. 15 cts.; ¼oz. 30 cts.

LANTANA

One of the most desirable half-hardy perennial greenhouse or bedding plants, constantly in bloom. Verbena-like heads of Orange, White, Rose, and other colored flowers. 2 feet.

	Pkt.	¼oz.
Mixed Colors	$0 10	$0 25
New Dwarf Bedding Hybrids. Excellent for bedding and pot culture. Will bloom freely all summer, and can be transferred to the greenhouse for the winter	25	50

LATHYRUS LATIFOLIUS (Everlasting or Hardy Sweet Pea)

A hardy perennial climber, flowering the first year if seed is sown in the fall. Flowers resemble sweet peas. Is not fragrant, but is hardy and showy. Height, 6 feet.

	Pkt.	Largepkt.
White Pearl. Long spikes of white flowers	$0 15	$0 40
Pink Beauty. Rosy pink	10	25
Red	10	25
Mixed. All colors	10	25

LIMNANTHES

Douglasi. A very showy Californian species bearing white and yellow, fragrant flowers in profusion from June to August. It is of dwarf habit, not exceeding 6 inches in height, and makes a most attractive display when grown in masses in beds, or as edgings to borders. Bees are very partial to its flowers. Pkt. 10 cts.; ¼oz. 30 cts.



Lychnis Chalcedonica

LEPTOSYNE

Stillmani. One of the quickest-growing annuals, blooming within five weeks from date of sowing, and the golden yellow flowers continue in perfection for a long time. Excellent for cutting. Height, 18 inches. Pkt. 15 cts.; large pkt. 40 cts.

LIATRIS · Blazing Star

Spicata. A hardy perennial that grows in long spikes, 4 to 5 feet tall, densely covered with slender, grass-like leaves of a light green. The small flowers are rosy purple. A peculiar habit of the Liatris is that the succession of bloom is from the top downward rather than from the lowest blooms up to the highest, as in all other spike flowers. Pkt. 15 cts.; large pkt. 40 cts.

LINUM · Flax

	Pkt.
Grandiflorum rubrum (Scarlet Flax). An elegant, free-flowering hardy annual, valuable for bedding; brilliant scarlet flowers. 1 foot — Oz. 40 cts.	$0 10
Perenne. A graceful, hardy perennial, producing bright blue flowers the entire summer. 1½ feet — Large pkt. 25 cts.	10
Perenne album. A fine white-flowered form of the above. Large pkt. 25 cts.	10

LINARIA

	Pkt.
Maroccana Hybrida, Excelsior. This is a hardy annual with small, dainty flowers resembling miniature antirrhinums, and in addition each flower has a long columbine-like spur. It blooms in about eight weeks from seed. Makes a nice cut-flower and the colors range through crimson and gold, pink, mauve, dark blue, chamois and rose, with many lighter art shades. 12 to 18 inches. Large pkt. 40 cts.	$0 15
Cymbalaria (Kenilworth Ivy). Beautiful trailing plants with violet flowers; useful for vases, baskets, etc. Large pkt. 40 cts.	15

LYCHNIS

Handsome hardy perennial plants of easy culture, for massing in beds and borders; blooming the first year, if sown early.

	Pkt.	Large pkt.
Alpina. Close tufts of olive-green foliage and clusters of rose-colored flowers. 4 inches	$0 25	$0 75
Arkwrighti. A cross between Chalcedonica and Haageana. In May it bears an abundance of large, brilliantly colored flowers varying from orange-scarlet to soft salmon-pink. 2 to 3 feet	15	40
Chalcedonica. Fine scarlet flowers. 2 feet	10	25
Chalcedonica, Salmon Queen. Very pretty salmon-pink	15	40
Haageana. Brilliant orange, scarlet, crimson, etc., in mixture. 1 foot	15	40

See Flower Seed Novelties, pages 6 to 9



Liatris



Lupinus (Lupine)

LOBELIA

Exceedingly pretty, profuse-blooming plants of great value, both in the garden and for hanging-baskets, window-boxes, and vases; especially prized for edgings of beds and borders. 6 inches.

Annual Varieties

	Pkt.
Blue Emperor. Light blue; compact; very fine ..... ⅛oz. 50 cts.	$0 10
Compacta, Crystal Palace. (Extra selected.) Dark blue. For borders and bedding ..... ⅛oz. 75 cts.	10
Compacta, Mrs. Clibran. Deep blue; white eye; compact habit ..... Large pkt. 25 cts.	10
Compacta, Snowball. Compact habit; pure white ..... Large pkt. 25 cts.	10
Erinus (gracilis). Blue. Fine for baskets or trailing purposes ..... Large pkt. 25 cts.	10
Hybrida, Sapphire. Deep blue, pure white eye; used for balconies, flower-stands, and hanging-baskets ..... Large pkt. 40 cts.	15
Tenuior. Flowers cobalt-blue, with white center. Of upright growth; about 15 inches high. Splendid for pots or bedding ..... Large pkt. 40 cts.	15

Perennial Variety

Tall-growing hardy perennial, with showy spikes of richly colored flowers. They are indispensable for permanent beds and borders. 3 feet.

	Pkt.
Cardinalis (Cardinal Flower). Long spikes of intense scarlet flowers ..... Large pkt. 75 cts.	$0 25

LUPINUS

Lupine

Annual Varieties

Free-flowering, easily-grown annuals, with long, graceful spikes of rich and various-colored pea-shaped flowers; valuable for mixed borders, beds and for cutting. 2 feet.

	Pkt.	½oz.	Oz.
Rich Blue	$0 10	$0 25	$0 40
Sky-Blue	10	25	40
Yellow	10	25	40
Rose	$0 10	$0 25	$0 40
White	10	25	40
Mixed	10	20	30

Perennial Varieties

Hardy perennials, succeeding in any good garden soil; blooms in May and June. 3 feet.

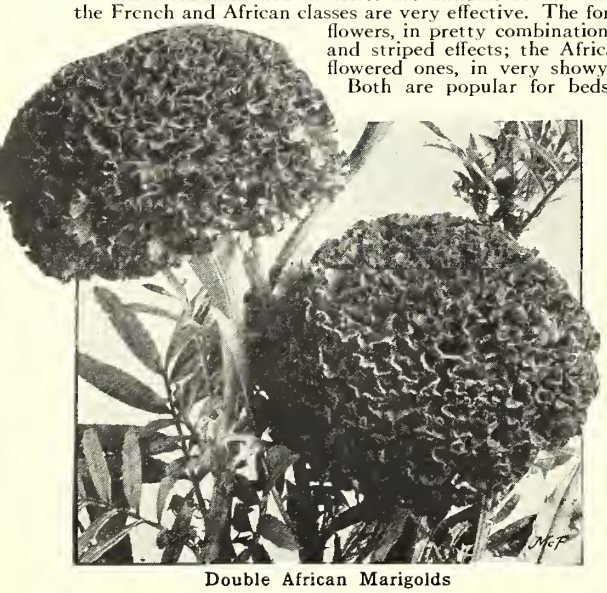
	Pkt.	¼oz.
Polyphyllus. Blue	$0 10	$0 30
Polyphyllus albus. White	10	30
Polyphyllus roseus. Rosy pink flowers	15	50
Polyphyllus, Elliott's Sweet-scented. (New.) Handsome spikes of sweet-scented self- or bicolored flowers ..... Large pkt. 40 cts.	15	
Polyphyllus, Harkness Hybrids. Refined mixture, containing many art shades ..... Large pkt. 40 cts.	15	
Moerheimi. Flowers rose and white; blooms nearly the whole summer. Habit rather dwarf ..... Large pkt. 40 cts.	15	
Perennial Mixed ..... Oz. 40 cts.; ½oz. 25 cts.		



French Marigolds

MARIGOLD

These old-fashioned favorites are annuals of the very easiest cultivation. Both the French and African classes are very effective. The former have the small, velvety flowers, in pretty combinations of yellow, brown, maroon, and striped effects; the African sorts are the enormous-flowered ones, in very showy orange and lemon shades. Both are popular for beds, borders, and cut-flowers. They bloom profusely all summer. Start the seed early in a box in the house or plant directly in the garden when the weather is warm.



Double African Marigolds

Double African Marigolds

	Pkt.	¼oz.
Orange Prince. Large, deep golden orange flowers. 2½ feet	$0 10	$0 50
Lemon Queen. A charming color. 2½ feet	10	50
Primrose Queen. This is a delightful shade of creamy primrose with a touch of gold; large, very quilled flowers	15	75
Mixed. 2½ feet	10	25

IMPORTED COLLECTION: Six varieties, 75 cts.

French Marigolds

	Pkt.	¼oz.
Double Dwarf Gold-striped. Flowers beautifully striped and well formed. 10 inches	$0 10	$0 35
Double Dwarf Golden Ball. A splendid pure golden yellow	10	35
Double Dwarf Dark Brown. Beautiful reddish brown	10	35
Double Dwarf Golden Yellow. Brown margin	10	35
Double Finest Mixed. Finest assortment saved from prize flowers. 1 foot	10	25
Legion of Honor. A single Marigold of great beauty. Flowers bright yellow blotched with brown. Admirably adapted for beds and edging. 9 inches	10	25

IMPORTED COLLECTION: Six varieties, 50 cts.



COSMOS, Giant Early-flowering

Each, pkt. 10 cts.; large pkt. 25 cts.; oz. 75 cts. One pkt. each of the 3 colors, 25 cts.

For description see page 24



PHLOX Drummondi Grandiflora

Each, pkt. 10 cts.; large pkt. 25 cts.; ¼oz. 60 cts.
One pkt. each of the 7 colors, 60 cts.

For description see page 40



SALPIGLOSSIS

Each, pkt. 15 cts.; large pkt. 40 cts.
One pkt. each of the 6 colors, 75 cts.

For description see page 43

SPECIAL OFFER: One each of the above 3 Collections (16 pkts. in all), $1.35

These will provide flowers for cutting, both early and late, and keep the garden glowing with color from midsummer until frost.



ZINNIA, Double Dahlia-flowered

Each, pkt. 20 cts.; large pkt. 50 cts. One pkt. each of the 8 colors, $1.35

For description see page 49



VERBENA, Giant-flowered

Each, pkt. 25 cts.; large pkt. 75 cts.
One pkt. each of the 6 colors, $1.25

For description see page 48



SWEET SULTAN, GIANT (Centaurea Imperialis)

Each, pkt. 15 cts.; large pkt. 40 cts.
One pkt. each of the 6 colors, 75 cts.

For description see page 22

One each of the above 3 collections (20 pkts. in all) $3

Includes both bedding and cutting varieties which will be a continual source of satisfaction throughout the entire season.



Four-o'Clocks

MARVEL OF PERU

Four-o'Clock or Mirabilis

A very popular and most interesting garden plant, growing to a height of 2½ feet and spreading to perfect tree-shaped bushes 1½ feet through, which are literally covered with bright-colored morning-glory-like blossoms. The foliage is very dense, solid in form, and dresses the plant completely from the bottom up. The flowers close in the afternoon and open each morning. They range in color from white, to yellow, pink, orange, and red. Seeds may be sown in the open garden.

	Pkt.
Mixed Colors.....Oz. 25 cts...$0	10

MARTYNIA

	Pkt.
Fragrans. Sweetly scented, gloxinia-shaped, crimson and purple flowers, followed by curiously formed fruit. 1½ feet..... Large pkt. 25 cts...	10

MATRICARIA

Free-flowering, half-hardy perennial which should be treated as an Annual. Fine for bedding or pots; blooms until frost.

	Pkt.
Capensis albo-pleno (Double White Feverfew). Handsome double white flowers. 1½ feet.....¼oz. 25 cts...$0	10
Dwarf Golden Ball. Compact habit, excellent for bedding. Golden yellow, double flowers. 9 inches..Large pkt. 75 cts...	25
Dwarf Snowball. Pure white form of the above..... Large pkt. 75 cts...	25

MATTHIOLA · Evening-scented Stock

	Pkt.
Bicornis. This old-fashioned annual has no beauty to recommend it, the flowers being a dull purplish lilac, but it is well worth growing for the entrancing fragrance which it emits during the evening. 1 foot.....¼oz. 25 cts...$0	10

MAURANDIA

Elegant, twining half-hardy perennial plants, with handsome foliage and tube-shaped flowers. It blooms early from seed the first season and is particularly adapted for house and conservatory; excellent for hanging-baskets, window-boxes, etc. 10 feet.

	Pkt.
Barclaiana, Finest Mixed.....Large pkt. 40 cts...$0	15

MIMULUS

A half-hardy perennial, growing from 6 inches to 1 foot high. Useful for window-gardens and pot-work, or for garden in a moist, shady situation. Blooms first year from seed if sown early.

	Pkt.
Moschatus (Musk Plant). Fragrant plant with small, yellow blooms.....Large pkt. 40 cts...$0	15
Tigrinus (Monkey Flower). Large flowers of several colors and spotted.....Large pkt. 25 cts...	10

MIMOSA

	Pkt.
Pudica (Sensitive Plant). A curious annual whose leaves instantly close up when touched. A neat plant for either pot or garden culture. 1½ feet.....Large pkt. 25 cts...$0	10

MIGNONETTE · Reseda

The wonderful, sweet, delicate fragrance of Mignonette has made it a favorite in every garden. Sow in April where plants are to remain and again later for a continuation of bloom until frost; can also be grown in pots for winter and early spring flowering.

	Pkt.	¼oz.
Machet. (Selected Strain.) Dwarf and vigorous grower with large spikes of sweet-scented flowers. Fine for either greenhouse or outdoor culture.....$0	15	$0 35
Golden Machet. Thick, massive spikes of golden yellow fragrant flowers.....	10	25
Defiance. Spikes from 12 to 15 inches long; deliciously fragrant.....	10	25
Goliath. The immense trusses of highly scented flowers are borne on erect, strong, stiff stalks.....	15	50
Triumph. Strong, vigorous grower, with extra-long and large spikes.....	15	50
Sweet-scented. The old variety with small spikes; very sweet scented.....Oz. 25 cts...	10	

MYOSOTIS · Forget-me-not

Most of the Forget-me-nots will bloom the first year from seed if sown early. If sown in July or August, in shaded frames, fine plants will be obtained for spring blooming.

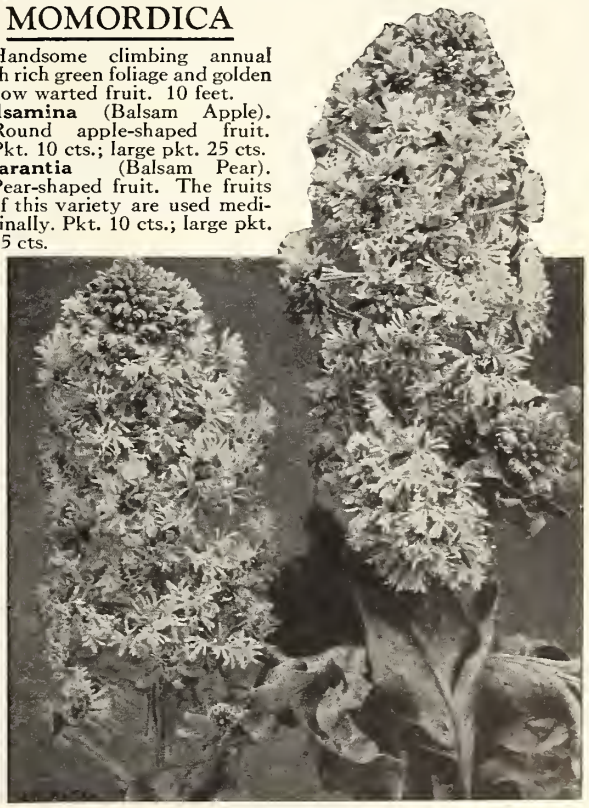
	Pkt.
Alpestris, Victoria. Of dwarf, compact growth, with long sprays of bright blue flowers, produced in dense umbels. 6 inches.....Large pkt. 40 cts...$0	15
Dissitiflora. Very free-blooming; large-flowering; compact habit.....Large pkt. 40 cts...	15
Palustris (True Forget-me-not). Dark blue..... Large pkt. 25 cts...	10
Palustris semperflorens. Very dwarf; blooming from spring until autumn.....Large pkt. 40 cts...	15
Royal Blue. Flowers are of larger size and a deeper blue than any other; unexcelled for pot culture ....Large pkt. 40 cts...	15
Ruth Fischer. A variety of particularly neat and compact habit, and the lovely blue flowers shoot up strongly over the glossy dark green foliage.....	50
Oblongata perfecta. Flowers borne on long stems; very suitable for winter flowering.....Large pkt. 40 cts...	15

MOMORDICA

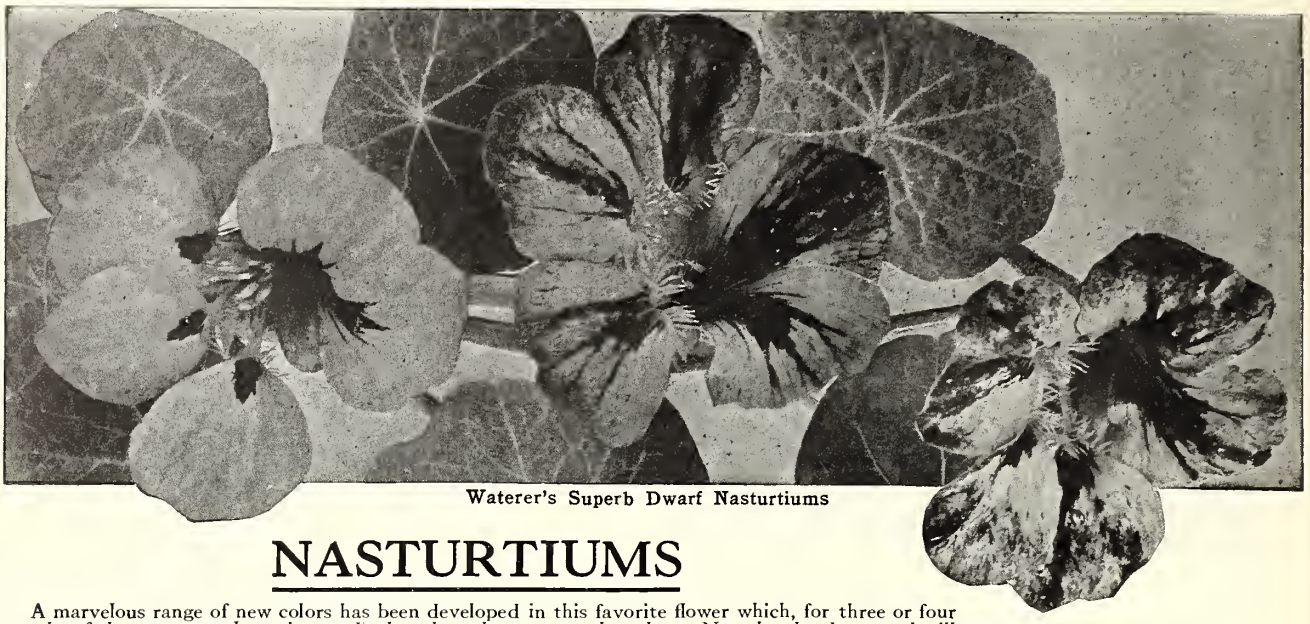
Handsome climbing annual with rich green foliage and golden yellow warted fruit. 10 feet.

Balsamina (Balsam Apple). Round apple-shaped fruit. Pkt. 10 cts.; large pkt. 25 cts.

Charantia (Balsam Pear). Pear-shaped fruit. The fruits of this variety are used medicinally. Pkt. 10 cts.; large pkt. 25 cts.



Mignonette



Waterer's Superb Dwarf Nasturtiums

NASTURTIUMS

A marvelous range of new colors has been developed in this favorite flower which, for three or four months of the season, makes a better display than almost any other plant. No other hardy annual will produce such a lavish profusion of flowers for so long a time with the same small outlay of time and labor. The maximum of bloom is produced on thin soils, and never flags through the hottest weather. In soils too rich, leaves predominate, and the plants are apt to rot off in wet weather, especially if standing too close. The tall varieties make a very effective display when trained on fences or trellises and the low sorts are fine for edging and massing.

DWARF OR TOM THUMB VARIETIES

Compact, bushy plants, just right for bedding, blooming freely from June until frost and furnishing splendid cut-flowers.

Chameleon. Various colors on one plant.
Crystal Palace Gem. Yellow, maroon blotches.
Empress of India. Fiery crimson; dark foliage.
Golden King. Golden yellow; dark foliage.
King Theodore. Crimson-maroon; dark foliage.
King of Tom Thumbs. Dark scarlet; dark leaves.
Pearl. Creamy white.
Prince Henry. Pale yellow, carmine blotches.
Regelianum. Deep, purplish crimson.
Rose. Soft carmine-rose.
Spotted. Golden yellow, spotted garnet.
Vesuvius. Rich deep apricot; dark foliage.

Any of the above dwarf sorts, pkt. 5 cts.; oz. 25 cts.; ¼lb. 75 cts.

COLLECTION: One pkt. each of above 12 varieties, 50 cts.

Superb Mixture of Fancy Dwarf Nasturtiums. The cream of the Dwarf Nasturtiums in a special blend. Pkt. 5 cts.; oz. 20 cts.; ¼lb. 60 cts.; lb. $2.

TALL OR CLIMBING VARIETIES

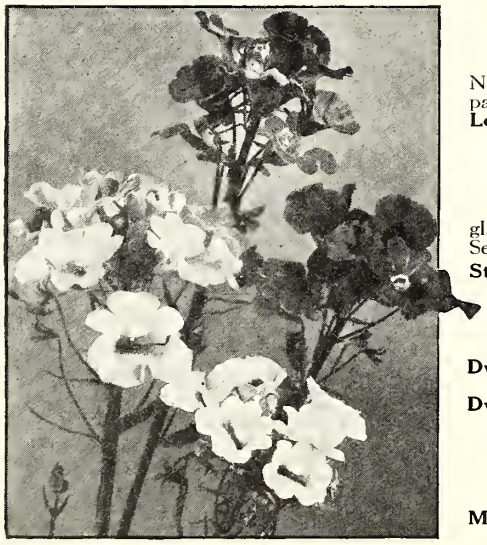
Of quick growth, covering a wall, hedge, or trellis in a short time. The brilliant blossoms almost cover the plant from top to bottom. 6 to 8 feet.

Chameleon. Rich vari-colored flowers on same plant.
Crimson. Velvety crimson.
Gold Garnet. Orange-yellow, garnet blotches.
Jupiter. Golden yellow.
King Theodore. Crimson-maroon, dark foliage.
Orange. Pure orange.
Pearl. Creamy white.
Prince Henry. Pale yellow, carmine blotches.
Rose. A lovely shade of ruby-rose.
Schulzi. Rosy scarlet, dark foliage.
Vesuvius. Rich deep apricot.
Yellow. Pure yellow.

Any of the above tall sorts, pkt. 5 cts.; oz. 15 cts.; ¼lb. 50 cts.

COLLECTION: One pkt. each of above 12 varieties, 50 cts.

Superb Mixture of Fancy Tall Nasturtiums. A special blend, embracing all of the finest named varieties. Both plain and fancy-leaved sorts. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 40 cts., lb. $1.25.



Nemesia

LOBB'S CLIMBING VARIETIES

Both foliage and flowers of this type are slightly smaller than those of the common Tall Nasturtiums, but the wonderful profusion of bloom and intense brilliancy of colors make it particularly desirable. 6 to 8 feet.

Lobb's Finest Mixed. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 50 cts.; lb. $1.50.

NEMESIA

Free-blooming, dwarf bushes for pot culture and open borders. Sow in spring under glass and transplant; or sow outdoors in May, in patches, where they are intended to flower. Seed sown in the autumn makes beautiful pot plants for early spring blooming.

Strumosa Suttoni. The finest strain of this popular flower, both for size of the individual flowers and richness and variety of color.

	Pkt.	Large pkt.		Pkt.	Large pkt.
Rose. Bright rose	$0 15	$0 40	**Scarlet.** Pure scarlet	$0 15	$0 40
Orange. Rich orange-yellow.	15	40	**Mixed.** Splendid var. of colors	15	40

Dwarf Compact, Blue Gem. Fine for edging small beds. Flowers are a beautiful bright blue. Pkt. $0 15; Large pkt. 40 cts.

Dwarf Compact Hybrids. A great variety of new and improved colors; very free-flowering. 9 inches. Large pkt. 40 cts. 15

NEPETA

Mussini. An excellent plant for any position, but especially useful in the rock-garden. It is of compact habit, forming dense tufts about 12 inches high, with masses of small, light violet-blue flowers during July and August. Large pkt. 40 cts. 15

NEMOPHILA

Very pretty, dwarf-growing, hardy annual of easy culture; continuous bloomers; cup-shaped flowers of brightest colors. Good in pots, edgings, rockeries or beds; moist soil and partial shade is favorable for them.

	Pkt.	Oz.
Insignis. Sky-blue	$0 10	$0 50
Mixed	10	35

NIGELLA · Love-in-a-Mist

	Pkt.
Miss Jekyll. Bushy plants about 12 to 15 inches high, cornflower-blue flowers of large size, surrounded by mist-like foliage; lovely for cutting. ¼oz. 25 cts.	$0 10
Miss Jekyll, White. A white form of the above. ¼oz. 25 cts.	10

NICOTIANA · Flowering Tobacco

Most showy and profuse-flowering garden annuals, giving a continuous display of brilliant, very fragrant flowers through summer and autumn. Easily grown from seed, thriving in a sunny position in any good garden soil.

	Pkt.
Affinis. Large, pure white flowers; very fragrant. ¼oz. 25 cts.	$0 10
Affinis Hybrids. Brilliant colors, including a large proportion of pink and red shades in addition to pure white. ¼oz. 35 cts.	10
Sanderæ, Crimson King. Dark velvety crimson; extra-large flowers. ¼oz. 50 cts.	15
Sylvestris. Long, white, very fragrant, tubular flowers. 4 to 5 feet. ¼oz. 25 cts.	10
Sanderæ Hybrids. Very bushy plants, with large, tubular flowers in shades of carmine, rose, and pink. ¼oz. 40 cts.	10

NIEREMBERGIA · Cup Flower

	Pkt.
Frutescens. A handsome plant with showy bell-shaped flowers, delicate lilac shading to white at the edge, useful as a pot plant or in the open border. Large pkt. 25 cts.	10



Nicotiana (Flowering Tobacco)

OENOTHERA · Evening Primrose

Beautiful, hardy plants of easy cultivation which are completely covered with single flowers 1½ inches across. Elegant for sunny positions in the border, and particularly good for the rockery, blooming all summer.

	Pkt.
Fruticosa Youngi. Deep golden yellow flowers with reddish stems. 1 to 3 feet. Large pkt. 75 cts.	$0 25
Lamarckiana. Large yellow flowers. 2 feet. Large pkt. 25 cts.	10

PANSY

Pansies thrive best in a moist, shady location and in rich, loamy soil. Seed should be sown in the autumn for early spring blossoms, or can be sown early in the year for good flowers late in the spring. The plants must be transplanted twice in order to get the largest flowers—once from the seed-box to a chosen bed, and again to the open garden. This is important if large-sized Pansies are desired. Use manure liberally. The blossoms are usually larger in the spring and again in the fall, but are small during the hot months.

	Pkt.	Large pkt.
WATERER'S A-1 EXHIBITION, MIXED. A magnificent strain of enormous flowers having waved or ruffled petals of great substance borne on strong stems. This mixture contains the richest combination of colors. Pkt. 75 cts.; ⅛oz. $1.75; ¼oz. $3.		
WATERER'S EXHIBITION PRIZE, MIXED. This is a superb mixture of the largest and best types in an immense variety of brilliant colors. Pkt. 50 cts.; ⅛oz. $1; ¼oz. $3; oz. $10.		
Cassier's Large-flowered Blotched. Very fine large-flowered mixed	$0 25	$0 75
Odier's Five-spotted. Extra choice. We can strongly recommend this strain	25	75
Triumph of the Giants. Plants of robust growth with large flowers, mostly curled; rich variety of color	25	75
English Show. Extra-fine strain; splendid variety of color with good form	25	75
Masterpiece. Very fine blooms, beautifully blotched; very rich colors	50	1 00
Parisian Large Stained. Very showy strain of Trimardeau; fine large flowers	15	50
English Prize. Seed saved from the finest collection of prize plants	$0 50	$1 00
Roggli Giant. The flowers are flat, of excellent substance, immense in size, and the mixture shows outstanding and very attractive colors.	50	1 00
Giant Prize, Light Blue. Ultramarine-blue with violet eye	15	50
Giant Prize, Golden Queen. Bright golden yellow, marked in center with dark stripes	15	50
Giant Prize, Golden Yellow. Bright golden yellow, with large brown eyes	15	50
Giant Prize, Dark Blue. Rich dark blue; large, fine	15	50
Giant Prize, Lord Beaconsfield. Deep violet, shading to white on the upper petals	15	50
Giant Prize, Snow Queen. Satin-white, center slightly tinged with yellow	15	50
Giant Prize, White. White flowers with dark eye	15	50
Choice Mixed. Extra fine; great variety. Oz. $1.50	10	25



Waterer's Exhibition Prize Pansies



Single Petunias

LARGE-FLOWERING PETUNIAS

Petunias are showy in beds, and bloom continuously throughout the summer. Sow the seed in pots or flats in the house or hotbed in February or March, or in the garden as soon as the soil is warm. Cover the seed but lightly, as it is very fine.

	Pkt.
Large-flowering Single Fringed. An unrivaled strain, producing large, beautiful flowers of the richest colors, with fringed edges. Large pkt. 75 cts.	$0 25
Superb Large-flowering Double Fringed. Our seed is unsurpassed in excellence. Finest mixed. Large pkt. $1	50
Giants of California. Flowers very large and of bright and desirable colors. Large pkt. 75 cts.	25
Theodosia. This is a very fascinating fringed Petunia. In comparison with Pink Triumph it is a softer rose or pink, slightly larger, with a more open throat and beautifully veined. Very robust and free flowering. Large pkt. $1	50
Scarlet Beauty. Glowing crimson-scarlet, shading to rose in the throat and toward the lovely frilled edges. Large pkt. 75 cts.	25
White Beauty. Beautifully frilled, snowy white flowers with attractive throat-markings. A mass of bloom all summer. Large pkt. 75 cts.	25
Pink Triumph. Considered the best bright pink fringed variety. Large pkt. 75 cts.	25
Pride of Portland. Well-waved, rich Tyrian-rose blooms, lighter in the throat. Fine in masses. Large pkt. 75 cts.	25
Elk's Pride. Immense flowers with heavy velvety petals of rich violet-purple. Large pkt. 75 cts.	25

IMPORTED COLLECTION: Six Double Fringed varieties, $1

SINGLE BEDDING PETUNIAS

	Pkt.	⅛oz.
Feltham Beauty. Great variety of color, ranging from white to deepest rose. 1 foot. Large pkt. 75 cts.	$0 25	
Rosy Morn. Bright rosy pink, white throat; compact and free-flowering	15	$0 50
Rose of Heaven. Very dwarf; rose-pink	15	50
Howard's Star. Rich crimson, with distinct white star in center	10	30
Snowball. A fine compact sort, producing its pure white flowers throughout the entire season	15	50
Violacea. A beautiful steel-blue or deep violet, with no trace of magenta	15	50
Finest Mixed. A choice mixture of color and shades	10	35

BALCONY PETUNIAS

A splendid, large, free-flowering type for window-boxes, vases, hanging-baskets, etc. The flowers average 3 inches across and make a very effective display over a long season.

	Pkt.	Large pkt.
Blue. Velvety indigo-blue	$0 15	$0 40
Rose. Brilliant rose-pink	15	40
White. The pure white form	15	40
Crimson. Rich velvety crimson	15	40
Mixed	10	25

COLLECTION: One pkt. each of the above 4 colors, 50c.

PHLOX DRUMMONDI

Large-Flowering Varieties

For a color effect in the garden there is nothing quite so brilliant and quite so lasting as these desirable hardy annuals. Plants grow about 1 foot high, produce their slender flower-stems in numbers on a single plant, each being crowned with an umbel composed of ten to twenty large, perfumed blooms, which resemble in appearance a hardy Phlox. They succeed best in a sunny open situation, and seeds, sown outdoors in May, will be a solid sheet of color in July and remain so until frost. They may be cut and lend themselves with much grace in arrangements in bowls. Seeds may also be sown in the hotbed in March and thus flowers can be had in June.

	Pkt.	¼oz.
White	$0 10	$0 60
Shell-Pink	10	60
Deep Rose	10	60
Bright Scarlet	10	60
Scarlet with White Eye	$0 10	$0 60
Lilac	10	60
Yellow	10	60

Choicest Mixed. Splendid, large-flowering sorts. Pkt. 10 cts.; ¼oz. 40 cts.; oz. $1.25

COLLECTION: One pkt. each of above 7 colors, 60 cts.

DWARF PHLOX

Plants of this charming section grow 6 to 8 inches high and produce dense masses of bloom all summer. Excellent for beds, edgings, pots, etc.

	Pkt.	Large pkt.
Brilliant Rose	$0 15	$0 40
Fiery Scarlet	15	40
Pure White	$0 15	$0 40
Choice Mixed	15	40

Star Phlox (*P. cuspidata*). Beautiful star-shaped flowers of various colors. Pkt. ¼oz. 40 cts. $0 10

PHLOX DECUSSATA

The hardy Phloxes are splendid old-fashioned border flowers, lasting for years when once established on good soil, and blooming from July until September. The seed germinates slowly and irregularly over a period of six months. 3 feet.

Finest Mixed. Saved from the newest and best large-flowering varieties. Pkt. Large pkt. 40 cts. $0 15



Phlox Drummondi

POPPIES

Few flowers have the same grace of stem, airiness of poise, and delicacy of tissue as the Poppy. For beds and borders, with a background of green, there is nothing finer. Some sorts are admirable for naturalizing in open wooded grounds; others, like the Shirley, are beautiful for cutting. A sandy loam suits Poppies best, and, as their strong tap-roots are difficult to transplant, it is well to sow the seed where the plants are to bloom. Sowings made in fall and at intervals in spring will provide a long succession of flowers. Sow thinly, covering very lightly, and thin the plants to stand about a foot apart. The best plants are those grown from early sowings while the soil is cool and moist.



Single Shirley Poppies

SINGLE ANNUAL VARIETIES

	Pkt.	¼oz.
American Legion. This new single Shirley is a dazzling orange-scarlet of enormous size, borne on long, stout stems	$0 10	$0 25
Dainty Lady. Immense flowers 4 to 5 inches across, of a charming shade of rosy mauve, with a large dark metallic blotch at the base of each petal	10	25
Shirley. (Santa Rosa Strain.) Most beautiful strain of single Poppies. The colors range through all shades of delicate rose, pink, carmine and brilliant crimson. 2 feet	oz. 50 cts.	10 25
Black Prince. New. A single-fringed Poppy of black-brown hue, with dark violet reflection, which, with the almost white anthers, form a striking contrast	10	25
Charles Darwin. Annual Poppy, growing 2 to 2½ feet high and remarkable for its new color, a rich dark purple, adorned with a black spot at base of petals	10	25
Virginia. Large, beautifully fringed flowers of pure white, edged with soft pink	10	25
King Edward. Deep scarlet-red with large black blotch on each petal. 2½ feet	10	25
Admiral. A single peony-flowered variety of surpassing beauty, having large, smooth-edged flowers of glistening white, with a broad band of brilliant scarlet around the top	10	25
The Bride. A beautiful variety, with very large, pure white, perfectly formed flowers	10	25
Danebrog (Danish Flag). Single scarlet flowers, with a large white blotch on each petal. 2 feet	10	25
Single Mixed. Annual sorts	oz. 25 cts.	10

IMPORTED COLLECTION OF SHIRLEY POPPIES: Twelve varieties, 75 cts.



Iceland Poppies

PLATYCODON

The large-flowering Chinese Bellflower. It is a hardy perennial, bearing large, broad, bell-shaped white or blue flowers; very handsome for garden decoration. 2 feet.

	Pkt.	Large pkt.
Grandiflorum, Blue	$0 10	$0 25
Grandiflorum, White	10	25

DOUBLE ANNUAL VARIETIES

Whereas the single Poppies are most fragile in appearance, and the airiest flowers imaginable, the double sorts are firm-petaled and of sufficient substance to last well on the plants and after cutting. Their range of color is marvelously varied and a big bed of them is a joyous riot of gorgeousness.

	Pkt.	¼oz.
American Flag. Beautiful variety with very large and double flowers of snow-white, bordered with scarlet	$0 10	$0 20
Cardinal. A splendid variety, growing about 2 feet high and bearing large, globular, fringed flowers of an intense cardinal-red	10	20
Eldorado. New double Shirley Poppy. Beautiful shades	Oz. 85 cts.	10 25
Mikado. Double; white-fringed petals, tipped with scarlet. 2 feet	10	25
Shell-Pink. Similar in every way to Cardinal and White Swan, except color, which is a soft seashell or chamois-pink	10	25
White Swan. Immense double flowers, beautifully fringed, and of purest white	10	25
		Oz.
Carnation-flowered. Finest mixed double; large showy flowers. 2 feet	10	$0 25
Peony-flowered, Mixed. Splendid, large double flowers of all colors	10	25

HARDY PERENNIAL VARIETIES

There are no flowers more ornamental and useful in our gardens than the various varieties of hardy Poppies. Once started they increase in size and beauty each succeeding season.

Perennial Poppies may be sown from June to August, to bloom the following summer.

	Pkt.
Alpine, Mixed. A charming miniature Poppy, with brilliantly colored flowers, including white, pink, apricot, yellow or orange-scarlet, etc. Useful for rock-work. 6 inches. Large pkt. 75 cts.	$0 25
Orientale (Oriental Poppy). The beautiful, brilliant dark scarlet, hardy Poppy which is indispensable for striking, bold effects. Large pkt. 25 cts.	10
Orientale Hybrid, Excelsior. A very fine mixture, ranging from delicate salmon to deep crimson. Large pkt. 40 cts.	15
Orientale Hybrid, Mrs. Perry. Orange-apricot, very fine. Large pkt. 40 cts.	15
Orientale Hybrid, Princess Victoria Louise. Bright salmon-scarlet. Large pkt. 40 cts.	15

Orientale Hybrid, The Feltham. See Novelties and Specialties, page 8.

Iceland (*Papaver nudicaule*). They grow about a foot high and are covered with masses of flowers which are produced throughout the season almost without interruption. They equal the Annual varieties in delicacy and grace.

	Pkt.	Large pkt.		Pkt.	Large pkt.
Orange-scarlet	$0 10	$0 25	**White**	$0 10	$0 25
Yellow	10	25	**Mixed**	10	25

Iceland, Sunbeam Improved (*Papaver nudicaule*). See Novelties, page 8.

Flowers and Plants for different purposes and situations. See page 10.



Portulacas in border

PENTSTEMON

Hardy herbaceous plants which produce continuously an abundance of brilliant flowers, somewhat like the foxglove, but mostly with white throats. Makes a fine border flower. Sow seeds in a pan of light soil and transplant. 2 to 3 feet.

Grandiflorus, Excelsior. The plants of this fine variety attain a height of about 2½ feet. The blooms are a great size, almost as large as a gloxinia, and range in color from white to deep scarlet ..... Large pkt. 75 cts. ..$0 25

PHACELIA

Campanularia. The neat little bushes, about 1 foot high, are literally covered with lovely, gentian-blue, cup-shaped flowers throughout the entire summer. An easily-grown annual... Large pkt. 25 cts... 10

PHYSOSTEGIA · False Dragonhead

One of the most beautiful of our summer-flowering perennial border plants. It forms dense bushes, bearing a profusion of delicate tubular flowers in July and August. 3 to 4 feet.

	Pkt.
Virginica. Pink ..... Large pkt. 25 cts. ..	$0 10

PHYSALIS · Chinese Lantern Plant

Francheti. An ornamental plant, forming dense bushes about 2 feet high, producing freely its bright orange-scarlet lantern-like fruits, which can be cut and dried for winter bouquets; highly interesting ..... Large pkt. 25 cts... 10

POLEMONIUM · Jacob's Ladder

A handsome border plant, with feathery, fern-like foliage and clusters of bell-shaped flowers.

	Pkt.
Cæruleum. Beautiful sky-blue flowers with golden anthers from April to July. 2 feet ..... Large pkt. 25 cts. ..	$0 10
Richardsoni. Large sky-blue flowers, with yellow eye, from May to September. 18 inches ..... Large pkt. 25 cts...	10

PORTULACA

This charming little hardy annual is unrivaled for brilliancy among plants of low growth, and, although it flourishes under almost all conditions, hot sun and a light, sandy soil suit it best. Nothing is prettier for beds, edgings, rockwork, etc. As an undergrowth for taller plants it is also valuable. Through the driest, hottest seasons it flourishes amazingly, carpeting the ground with a mat of succulent foliage that, in the forenoon, is hidden by gayest of flowers. The seed does not germinate until hot weather, and should be sown late. This plant requires little care and can be transplanted in full flower. 6 inches.

	Pkt.	¼ oz.
Single Golden Yellow	$0 10	$0 35
Single Scarlet	10	35
Single White	10	35
Single Mixed. All colors ..... Oz. 75 cts...	10	25
Double Choicest Mixed. Contains all the best double varieties ..... Oz. $3.50 ..	15	1 60

PRIMULA SINENSIS · Chinese Primrose

One of our finest free-flowering winter house plants. Our strains may be relied on as being of the finest procurable.

	Pkt.
Alba magnifica. Pure white, with yellow eye. One of the finest	$0 50
Chiswick Red. Rich deep rose	50
Crimson King. The deepest and richest crimson-scarlet	50
Duchess. Pure white, with large bright carmine center	50
Holborne Blue. A beautiful shade	50
Orange King. Orange-salmon, shaded with terra-cotta	50
Excelsior Mixed. A magnificent strain of Giant Primula	50

PRIMULA STELLATA · Star Primrose

A distinct and valuable variety for pot-culture and table decoration.

	Pkt.
Giant White Star. Massive blooms	$0 50
Giant Pink Star. Beautiful shade of coral-pink	50
Giant Blue Star. Delicate porcelain-blue	50
Giant Crimson Star. Rich crimson-scarlet	50
Giant Mixed Star	50

PRIMULA OBCONICA

This improved strain of *Primula obconica* is vastly superior to the old type, the flowers being nearly twice as large, with many new and exquisite colors. The plants are of compact growth and bloom profusely during the winter months.

	Pkt.
Gigantea, Apple-Blossom. Soft pink	$0 25
Gigantea Kermesina. Rich crimson	25
Gigantea cærulea. Blue	25
Gigantea, Salmon Queen. Salmon-pink	35
Gigantea rosea. Pure rose color	25
Gigantea, White. Pure white	25
Gigantea, Mixed. All colors	25

VARIOUS PRIMULAS

Kewensis. The flowers are a bright yellow in color and fragrant	25
Malacoides. Light lilac; branching habit	25
Malacoides alba. Pure white	25
Malacoides fimbriata. (New.) The flowers, of a lovely pink hue, are beautifully and delicately fringed	25
Malacoides, Pink Beauty. A new and very remarkable variety, with large flowers of a beautiful rosy pink, almost shading to mauve	25
Malacoides superba. New improved variety; deep rosy pink.	25



Primula malacoides

HARDY PRIMULAS

These are among the best of the early spring-blooming plants. With slight protection they will stand the winter, but will do better if protected by a coldframe.

Auricula. A well-known variety of great beauty; brilliant-colored flowers in Pkt. umbels, ranging in colors of maroon, purple, crimson, and yellow. Choice mixed from prize flowers.....Large pkt. 75 cts. ..$0 25

Polyanthus (*P. elatior*). The colors range from white to deep maroon, the yellow, rose, and crimson shades being particularly fine. 9 inches. Finest mixed... Large pkt. 75 cts... 25

Japonica, Mixed. One of the finest Primroses for the garden, producing several whorls of large flowers, on erect stems, varying from white to crimson. 1½ feet.....Large pkt. 40 cts... 15

Vulgaris (English Primrose). Flowers fragrant, canary-yellow color..... Large pkt. 40 cts... 15

PYRETHRUM

Hardy perennials, bearing single and double aster-like flowers on long stalks; excellent for cutting. 2 feet. Pkt.

Hybridum grandiflorum. Large-flowering single mixed.....¼oz. $1 ..$0 15

Hybridum fl.-pl. Finest double hybrids. Seed saved from the finest collection.. Large pkt. 75 cts... 25

Aureum (Golden Feather). Dwarf bedding plant, with yellow, fern-like leaves, useful for edging beds and borders.....¼oz. 25 cts... 10



Primula vulgaris

RICINUS · Castor-Oil Bean

Picturesquely showy and imposing, the Ricinus gives to the garden magnificent semi-tropical effects. Grown as a specimen it makes a perfect pyramid of gigantic leaves; a dozen plants in a large bed show a mound of glistening colors and may be admired from a long distance; planted thickly it soon forms a handsome screen or hedge.

Bourboniensis arboreus. Large and handsome green foliage. 10 to 15 ft. Pkt. 10 cts.; oz. 25 cts.

Cambogensis. Large, bronzy red-maroon leaves; stalks nearly black. 5 feet. Pkt. 10 cts.; oz. 25 cts.

Gibsoni. Dark purplish red foliage. 5 feet. Pkt. 10 cts.; oz. 25 cts.

Red Spire. Bronzy green; red ribs and veins. Pkt. 10 cts.; oz. 35 cts.

Sanguineus. Red stalks, scarlet fruit. 8 feet. Pkt. 10 cts.; oz. 25 cts.

Zanzibarensis, Mixed. Very tall, stately plants with leaves of enormous size, varying in color from light green to purplish red. 12 to 14 feet. Pkt. 10 cts.; oz. 25 cts.

Mixed. All sorts. Pkt. 10 cts.; oz. 20 cts.

RHODANTHE

A well-known and splendid Everlasting; valuable for the decoration of the conservatory and flower-garden. 1 foot. Pkt.

Mixed Colors..Large pkt. 25 cts...$0 10



Salpiglossis

RUDBECKIA

Bicolor superba (Coneflower). Fine free-flowering annual, growing about 2 feet high, forming a dense bush and producing an abundance of bright yellow flowers with brown central disc; fine for cutting. Pkt. 10 cts.; ¼oz. 25 cts.

SALPIGLOSSIS

Painted Tongue

These showy, half-hardy annuals bear beautiful, funnel-shaped flowers having dark veins on a ground which varies from white to crimson, yellow, orange, etc., and intermediate shades. They are easily grown, require a light, rich, sandy loam and will respond to liberal treatment. Bloom from late summer until frost. 2 feet.

	Pkt.	Large pkt.
Crimson	$0 15	$0 40
Primrose	15	40
Purple and Gold	15	40
Rose and Gold	15	40
Scarlet and Gold	15	40
White and Gold	15	40

COLLECTION: One pkt. each of the above 6 varieties, 75 cts.

Finest Mixed. All colors. Pkt. 10 cts.; ¼oz. 40 cts.



Salvia, America

SALVIA · Scarlet Sage

Salvias make a striking display, with their long, brilliant flower-spikes. They bloom continuously from early summer until frost. Sow seed as early as possible, in shallow boxes or pots in the greenhouse or coldframe. When plants are large enough, transplant singly into small pots, and set out when all danger of frost is past. May also be sown in the open ground in May.

	Pkt.	¼oz.
America. Of dwarf, bushy, compact growth, and very uniform in height and shape. A free and continuous bloomer; produces large spikes of brilliant scarlet flowers.....⅛oz. 75 cts...$0 25		$1 00
Bonfire. Compact bushy plants, 2 feet high, producing innumerable erect spikes of brilliant scarlet flowers.....⅛oz. 50 cts...	10	75
Splendens. Tall-growing plants with bright scarlet flowers. 3 feet.....	10	65
Zurich. One of the earliest flowering; plants are of dwarf, bushy growth and produce an abundance of bright scarlet flowers from early July until frost. 1½ feet... ⅛oz. 75 cts...	25	
Patens (Blue Sage). Large, deep rich blue flowers of velvety texture..... Large pkt. 40 cts...	15	
Azurea grandiflora. Plants grow 2 to 3 feet high and produce, during August and September, tall flower-spikes with most beautiful light blue Sage blossoms.....	10	50
Farinacea, Blue. A perennial variety, but best grown as an annual. Seed sown in the open ground in May blooms from July to frost. The light blue flowers are borne on long spikes, held above the foliage. 2 feet.....	15	25



Saponaria ocymoides

SAINTPAULIA

Ionantha (African Violet). A free- and long-flowering pot-plant Pkt.
Plants are dwarf, with leaves like a gloxinia and beautiful blue flowers with golden anthers, resembling those of a large, single, sweet-scented violet $0 50

SANVITALIA

Procumbens fl.-pl. Beautiful dwarf-growing, hardy annual for beds or borders; bright yellow, double flowers; blooms all summer. 6 inches ..... Large pkt. 25 cts... 10

SAPONARIA

Vaccaria multiflora rosea. The graceful sprays of rose-pink flowers are produced in great profusion and are fine for vase decoration. Hardy annual. 2 feet .....Large pkt. 25 cts... 10

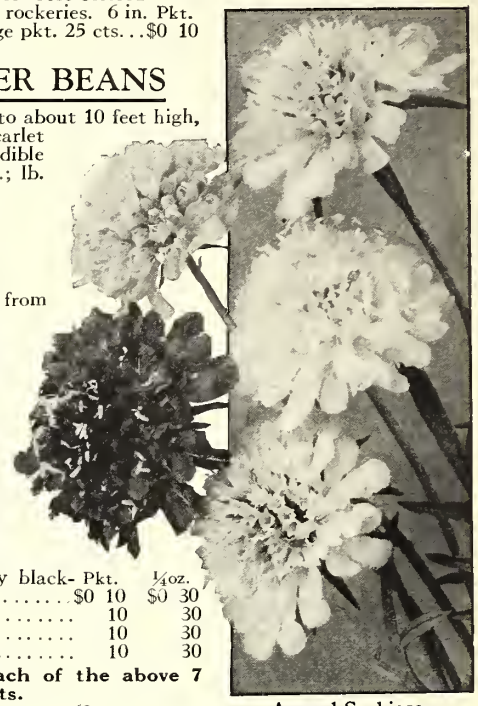
Ocymoides. A showy, dwarf, trailing, hardy perennial plant, producing sheets of rose-colored flowers. Grand for rockeries. 6 in. Pkt.
Large pkt. 25 cts...$0 10

SAXIFRAGA

Cordifolia splendens. Forms masses of hand- Pkt.
some, broad, deep green foliage with bright rose-pink flowers. Useful hardy perennial for the rock-garden. 1 foot .....
Large pkt. 75 cts...$0 25

SCARLET RUNNER BEANS

An ornamental climber, growing to about 10 feet high, bearing large sprays of bright scarlet flowers, followed in the fall by edible beans. Pkt. 10 cts.; ½lb. 25 cts.; lb. 45 cts.



Annual Scabiosa

SCABIOSA

Mourning Bride; Pin-Cushion Flower; Sweet Scabious

One of our finest annuals for cutting, and very showy in the garden. Easily raised from seed; blooms continuously from early summer until frost in a wide range of rich and beautiful colors. The varieties we offer are greatly improved in size and color of the flowers. Sow in the coldframe or greenhouse, and transplant in May, or seed may be sown in the open ground the latter part of April. 3 feet.

Annual Varieties, Improved Large-flowering

	Pkt.	¼oz
Azure Fairy. Lavender-blue	$0 10	$0 30
Crimson. Rich rosy crimson	10	30
Flesh-Pink. A delicate pink variety	10	30
King of the Blacks. Velvety black-purple	$0 10	$0 30
Rose. Soft rose-color	10	30
Yellow. Sulphur-yellow	10	30
White. Pure white	10	30

COLLECTION: One pkt. each of the above 7 colors, 60 cts.

Mixed. Pkt. 10 cts.; ¼oz. 25 cts.; oz. 60 cts.



Statice sinuata

Perennial Varieties

Caucasica. Large pale blue flowers on long stems; valuable for cutting. 3 feet. Pkt. 25 cts.; large pkt. 75 cts.

Caucasica Hybrids. See Novelties and Specialties, page 8.

Japonica. Beautiful lavender-blue flowers. 2½ feet. Pkt. 15 cts.; large pkt. 40 cts.

SCABIOSA COLUMBARIA

Handsome flowers 2 to 2½ inches across, borne on long, slender but strong stems. A welcome addition to the perennial Scabiosas.

	Pkt.	Large pkt.
Delicate Pink	$0 25	$0 75
Delicate Lavender	25	75

STATICE . Sea Lavender

The Sea Lavenders have become extremely popular, especially for cutting for house decoration. The cloud-like masses of flowers of the branching varieties make borders gay for a long time, while their delicate coloring and light graceful habit are a great help to helichrysums and other everlasting flowers.

	Pkt.	Large pkt.
Sinuata, Yellow (Bondueli). Golden yellow	$0 10	$0 25
Sinuata, Blue	10	25
Sinuata, Rosea superba. Bright rose	10	25
Sinuata, White	10	25
Suworowi. An annual Statice producing handsome spikes of bright rose blooms. Particularly desirable for pot-culture or cutting for table decoration. 18 inches	10	25
Latifolia. Hardy perennial with large branching heads of clear mauve flowers. Invaluable for the perennial border as well as for drying for winter decoration. Height, 2 feet	10	25
Perennial Mixed	10	25



Stokesia cyanea (Cornflower Aster)

SCHIZANTHUS · Butterfly Flower

Very beautiful and showy hardy annuals, fine for beds and borders in the summer garden. Grown in pots in early spring in the greenhouse, they become elegant foliage plants, with masses of flowers. 1½ to 2 feet.

	Pkt.	Large pkt.
Wisetonensis. The colors range from soft pink to dark brown	$0 20	$0 50
Wisetonensis, Excelsior. A much larger flowering strain of Wisetonensis	25	75
Dr. Badger's Hybrids. Very large flowers, giving a wide range of colors.	25	75
Garraway's Hybrids. A magnificent strain for greenhouse and conservatory decoration, embracing a wide range of beautiful colors	25	75
Mixed. The compact pyramidal plants grow 1½ feet high and produce bright, showy blooms in a great range of colors	15	40

SMILAX

A popular greenhouse climber with small, dark green foliage of great value for floral decoration. 8 to 10 feet. Pkt. 10 cts.; ¼oz. 25 cts.

SOLANUM

The Solanums are very ornamental, fruit-bearing plants, and thrive best in light rich soil. Fine for winter decoration in the house or conservatory, and especially desirable for the Christmas season. If used in the summer garden, give a very warm situation. 1 foot.

Capsicastrum (Jerusalem Cherry). Scarlet; fine for pots. Pkt. 10 cts.; large pkt. 25c.

Cleveland Cherry. A grand acquisition to this class of plants; grows more compact than the above and produces the scarlet berries in greater profusion. Pkt. 20 cts.; large pkt. 50 cts.

STEVIA

Serrata. Free-blooming plants for summer or winter use, bearing a profusion of fragrant white flowers that are excellent for cutting. 2 feet. Pkt. 15 cts.; large pkt. 40 cts.

STOKESIA · Cornflower Aster

This popular hardy perennial bears, all summer, large, attractive flowers resembling semi-double asters; fine for cut-flowers. 2 feet.

Cyanea. Lavender-blue. Pkt. 15 cts.; large pkt. 40 cts.

STACHYS · Lambs Ear

Lanata. Fine, old-fashioned, cottage-garden, hardy plant grown for the effect of its dwarf, white, woolly foliage. Useful for rock-garden. Flower-spikes should be removed. 1 foot. Pkt. — Large pkt. 25 cts. — $0 10

STREPTOCARPUS

Giant Hybrids, Mixed. Charming greenhouse perennial of dwarf, neat habit, with clusters of trumpet-shaped flowers borne on erect, slender stems — 50

STOCKS · Gilliflower

One of the most popular annuals, either for bedding or pot culture. Sow in spring, either in boxes or in open ground, and when transplanting to where they are intended to flower, care should be taken not to discard the smaller seedlings, which usually produce the best double flowers, the large coarse plants being often all singles.

Cut-and-Come-Again 10-Weeks' Stocks

This type is especially recommended for cutting. The plants branch freely, and send up numerous long spikes of fragrant double flowers in continuous succession. 1½ feet.

	Pkt.	Large pkt.
Brilliant. Blood-red	$0 15	$0 40
Creole. Canary-yellow	15	40
La France. Rose	15	40
May Queen. Pale blue	15	40
Princess Alice. White	$0 15	$0 40
Sapphire. Violet	15	40
Victoria. Silvery lilac	15	40
Finest Mixed. All colors	15	40

Large-Flowering 10-Weeks' Stocks

This class is a favorite for outdoor bedding. 1 foot.

	Pkt.	Large pkt.
Bright Pink	$0 10	$0 25
Blood-Red	10	25
Light Blue	10	25
Purple	$0 10	$0 25
Pure White	10	25
Canary-Yellow	10	25
Finest Mixed. All colors.	10	25

Mammoth-Flowering Beauty Stocks

Particularly adapted for the greenhouse, to provide cut-flowers during the winter.

	Pkt.	Large pkt.
Abundance. Carmine-rose	$0 20	$0 50
Beauty of Nice. Delicate flesh-pink	20	50
Bright Violet. Violet-blue	20	50
Crimson King. Brilliant crimson	20	50
Empress Elizabeth. Bright carmine	20	50
Monte Carlo. Canary-yellow	20	50
Queen Alexandra. Soft rosy lilac	20	50
Deep Lilac	20	50
White Lady. Snow-white; very double	20	50

SWEET WILLIAM (*Dianthus barbatus*)

A well-known, free-flowering hardy perennial, bearing heads of fragrant, richly colored flowers.

	Pkt.	
Pink Beauty (Newport Pink). A beautiful shade of salmon-pink; very large heads on long stems	Large pkt. 40 cts.	$0 15
Scarlet Beauty. Large heads of an intense scarlet color; very striking	Large pkt. 40 cts.	15
Holborn Glory. Giant-flowering varieties in finest assortment of colors	¼oz. 30 cts.	10
Single White	¼oz. 30 cts.	10
Single Mixed	¼oz. 25 cts.	10
Double Mixed. Special strain	¼oz. 50 cts.	15

IMPORTED COLLECTION: Six varieties, 50 cts.



Sweet William, Holborn Glory

SPENCER OR ORCHID-FLOWERED SWEET PEAS

In exquisite form and range of beautiful colors there are no flowers to compare with Sweet Peas. New and more beautiful varieties are being constantly introduced. We offer the cream of the Spencer sorts that have been tested and found to be of true merit and distinct color; every color and shade is represented in the list below.

Make a trench 6 inches deep; in this sow the seed and cover 2 inches. As vines grow, gradually fill trench with soil, and thin to 4 inches apart. For early flowers sow in beginning of November in a dry situation, 6 or 8 inches deep, giving level culture. Make spring sowings just as soon as ground can be prepared. Sweet Peas should not be grown in same soil year after year.



Spencer or Orchid-flowered Sweet Peas

	Pkt.	Oz.	¼lb.
Austin Frederick Improved. A lovely soft lavender; large flowers, beautifully waved	$0 10	$0 35	$1 00
Barbara. Superb salmon-colored variety that is excellent either for exhibition or table decoration	10	35	1 00
Charming. The color is a bright, glowing cerise with a rich salmon sheen	10	35	1 00
Constance Hinton. The white flowers are of largest size, and best Spencer form. (Black seed.)	10	35	1 00
Dora. Standards deep rosy pink, slightly marked salmon; wings rich cream	10	35	1 00
Doreen. A magnificent bright carmine; very large flowers of lovely form	10	40	1 25
Fortune. An excellent new variety with dark blue wings and rich violet-blue standard. One of the best dark blues	10	40	1 25
Giant White. Large-flowered white variety. (Black seed.)	10	35	1 00
Glen Eagles. This is considered a particularly fine light blue variety	10	35	1 00
Hawlmark Cerise. Bright salmon-cerise	10	40	1 25
Heavenly Blue. Delphinium-blue, exquisitely waved. A vigorous grower and free bloomer	$0 10	$0 35	$1 00
Hero. A brilliant clear cerise. In sunshine or artificial light it appears to be suffused richly with salmon. The flowers are large, nicely waved, and well placed on strong stems	25	75	2 50
Huntsman. A bright shade of scarlet—really a wonderful bit of color. Perfectly sun-proof and of largest size. An outstanding English novelty	25	75	2 50
Jean Ireland. Beautiful cream-color, edged with pink	10	35	1 00
Magnet. A cream-pink of remarkable richness and exquisite texture. Large, beautiful flowers borne on long stems	10	40	1 25
Mammoth. A blazing orange-scarlet, surpassing anything ever offered in this class before. It is a rich and gorgeous color. Awarded a Certificate of Merit by the National Sweet Pea Society of Great Britain	10	40	1 25
Mary Pickford. A very large flower. The color is a dainty and appealing cream-pink with a soft suffusion of salmon. Blooms very profusely	10	35	1 00
Pinkie. A deep rose-pink of vigorous growth. The flowers are nicely waved and well placed on very long, stout stems. An extraordinarily fine Sweet Pea. The best of the deep pinks	25	75	2 50
Powerscourt. A pure lavender self with flowers of mammoth size, yet refined and well placed on long stems. Of vigorous and free-flowering habit, always carrying four flowers on a stem	10	35	1 00
Rosabelle. Large, light rose flowers, beautifully waved, on long, strong stems	10	35	1 00
Royal Purple. Rich, wavy, rosy purple; immense flowers	10	35	1 00
Royal Scot. A very fine new cerise. Exceptionally large and beautiful	10	35	1 00
Supreme. This ranks as one of the best clear pinks—a soft, delicate color. Vigorous grower.	10	40	1 25
Tangerine Improved. Rich salmon-orange	10	40	1 25
The Prince. Rich clear crimson, overlaid with a beautiful metallic sheen; unsurpassed for cutting	20	65	2 00
The Sultan. A rich black velvety maroon. We consider this the best maroon Sweet Pea	10	35	1 00
Valentine. A most pleasing shade of light pink. Beautifully waved and well placed on the long stout stems. It is unsurpassed for cutting or exhibition and is one of the best of this color	10	35	1 00
What Joy. A new cream variety of a rich deep primrose-yellow shade	10	40	1 25
Youth. White, edged with a delicate soft rose-pink. Good stem and free bloomer	10	40	1 25

SUPERB MIXTURE OF SPENCER SWEET PEAS

A superb blend of the better sorts. It will produce a lavish display of the largest and most attractive flowers in almost endless variety. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 60 cts.; lb. $2.

For Early-Flowering Spencer Sweet Peas, see page 47.

DWARF CUPID SWEET PEAS

Compact plants growing 6 inches high and 12 to 15 inches in diameter, and from June until late summer are literally a sheet of; bloom.

Finest Mixed. All colors. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 60 cts., lb. $2.

EARLY-FLOWERING SPENCER SWEET PEAS

The Winter-flowering Spencers are now grown almost exclusively for winter bloom and are in great demand by florists. They are equally desirable, however, for outdoor planting, as they come into bloom two to three weeks ahead of the standard Spencer varieties, and, if kept cut, will continue to bloom nearly as long.

	Pkt.	⅛oz.	Oz.
Aviator. Dazzling crimson-scarlet	$0 15	$0 50	$0 75
Bluebird. A splendid rich, deep blue	15	50	75
Burpee's Orange. Deep orange	20	75	1 25
Christmas Carol. Salmon-cream-pink. Extra-large flower	15	50	75
Columbia. Best pink and white bicolor	15	50	75
Giant Rose. An excellent rich deep rose-pink variety with large flowers	25	1 00	1 50
Glitters. The standard is bright fiery orange, and the wings are deep orange	15	50	75
Heather Bell. The color is a rich but pleasing mauve, but after standing in water becomes a beautiful mauve-lavender	15	50	75
Jeanne Mamitsch. A magnificent variety with large, glowing rose-pink flowers	15	60	1 00
Lavender King. Rich, true, deep lavender throughout	15	50	75
Mrs. Kerr. A fine shade of salmon	15	60	1 00
Mrs. A. A. Skach. Shell-pink; beautifully waved	15	50	75
Rose Queen. A beautiful shade of rose-pink	15	50	75
Snowstorm. Pure white. The blossoms are very large and of the best waved Spencer form	15	50	75
White Harmony. An excellent, large, pure white flower of well-rounded form and exquisitely waved and frilled, with four flowers on a stem	25	1 00	1 50
Yarrawa. Bright rose-pink; wings light pink; large and free bloomer	15	50	75
Zvolanek's Rose. Bright rose-pink	15	50	75



Thunbergia (Black-eyed Susan)

SUNFLOWER · Helianthus

All the varieties we list are useful for cutting, especially the miniature sorts, which bear their flowers on slender stems and form neat bushes 3 to 4 feet in height.

	Pkt.
Cucumerifolius (Miniature Sunflower). Small, single, rich yellow flowers. ¼oz. 20 cts.	$0 10
Cucumerifolius, Stella. Single; bright yellow with black center. ¼oz. 20 cts.	10
Cucumerifolius, Orion. Cactus-flowered; golden yellow, with pointed petals finely twisted and curled. ¼oz. 30 cts.	10
Double Chrysanthemum-flowered. Rich golden yellow flowers, perfectly double, resembling a chrysanthemum. 6 feet. ¼oz. 20 cts.	10
Red Sunflower. Dark-centered, brilliant flowers, banded with bright chestnut-red, merging to yellow at the tips of the petals. 6 feet. ¼oz. 25 cts.	10

SUNFLOWER, Helianthus, continued

	Pkt.
Double Californian (*H. californicus fl.-pl.*). Large, deep yellow flowers of perfect form. 6 feet. Oz. 30 cts.	$0 10
Globosus fistulosus. Rich saffron color; flowers large and double. 6 feet. Oz. 30 cts.	10
Nanus fl.-pl. Dwarf, double orange flowers; 4 ft. Oz. 35 cts.	10

Hardy Perennial Sunflower

Mixed. A mixture of the finest single-flowering hardy perennial sorts. Seed sown early will produce flowering plants the first year. Large pkt. 40 cts. — 15

SWEET ROCKET · Hesperis

A desirable hardy perennial plant; excellent for naturalizing among shrubbery or for planting in a permanent border.

Mixed. Fragrant white and purple flowers. 2 to 3 feet. Pkt. 10 cts.; ¼oz. 20 cts.; oz. 60 cts.



Trollius (Globe Flower)

TAGETES

	Pkt.	¼oz.
Signata pumila. A pretty little Marigold, forming a compact, round bush, with slender fern-like foliage and densely covered with flowers of bright yellow, striped brown. A first-class border plant	$0 10	$0 50
Signata pumila, Golden Gem. A much-improved dwarf, compact variety. Flowers very freely produced well above the foliage	15	75

THALICTRUM · Meadow Rue

A hardy perennial of easy cultivation. Its foliage is very finely divided, like that of the maidenhair fern or columbine, and is useful in making bouquets. The flowers are borne in feathery clusters.

	Pkt.	Large pkt.
Dipterocarpum. Very graceful plumes of rosy purple flowers with conspicuous yellow anthers. 4 to 5 feet. August, September	$0 15	$0 40
Adiantifolium. Finely cut, maidenhair-fern-like foliage with light plumes of small white flowers. 1 foot. June, July	15	40

THUNBERGIA · Black-eyed Susan

Beautiful, rapid-growing, annual climbers, used extensively in hanging-baskets, vases, etc. Very pretty flowers in buff, white and orange, with dark eyes. 4 feet.

	Pkt.	Large pkt.
Alata. Flowers buff, with dark eye	$0 10	$0 25
Alata alba. White, with dark eye	10	25
Aurantiaca. Orange, with dark eye	10	25
Mixed. All colors	10	25

TORENIA

A beautiful free-flowering tender annual, splendid for vases, hanging-baskets, borders, etc. If started in heat in February or March, they commence to bloom in June and continue until frost. 10 inches.

	Pkt.	Large pkt.
Fournieri. Sky-blue, with three spots of dark blue and a bright yellow throat	$0 15	$0 40

TROLLIUS · Globe Flower

These desirable, free-flowering, hardy perennials produce their giant, buttercup-like blossoms on stems 1 to 2 feet high from May until August. They succeed admirably in the border in a half-shady position in well-drained, preferably light soil.

	Pkt.	Large pkt.
Europæus. A large-flowering variety with bright yellow flowers	$0 25	$0 75
Orange Globe. Large, deep orange flowers. Very fine	25	75



Mammoth Verbenas

TRITOMA · Red-Hot Poker; Flame Flower; Torch Lily

Hybrida. A valuable half-hardy perennial border plant, easily raised from seed and flowers the same year. If sown in heat in January or February, the plants will commence to throw up their attractive scarlet and yellow flower-spikes in July or August. Most useful for the herbaceous border and for cutting. 3 feet — Pkt. $0 15; Large pkt. $0 40

Gracilis Hybrids. An extremely pretty, small-flowered strain; colors vary from citron to deep orange — 15 / 40

VALERIANA

Garden Heliotrope

Showy, hardy border plants with large heads of white and red flowers on 3-foot stems, emitting a delicate heliotrope odor.

Mixed — ¼oz. 25 cts — Pkt. $0 10

VERONICA

Speedwell

Splendid, hardy plants which bear unusually long spikes of small, showy flowers.

	Pkt.	Large pkt.
Longifolia. Deep blue. August and September	$0 10	$0 25
Spicata. Bright blue. July	15	40
Repens. Light blue. 6 inches	25	75

VERBASCUM

Phœniceum. One of the prettiest species for the herbaceous border. The flowers are carried on slender stems, about 2 feet high, and include white, pink, blue, mauve, and purple. This variety is excellent for growing in pots in the greenhouse, and if sown in June or July will bloom in early spring. A charming hardy perennial — Large pkt. 40 cts. — Pkt. $0 15

VINCA

Madagascar Periwinkle

Ornamental free-blooming plants, with dark laurel-like foliage and handsome pink and white flowers. Seed should be sown early and the plants will bloom the first summer. They can be taken up in the fall, potted, and kept in bloom through the winter. Seed germinates slowly. 1½ feet.

	Pkt.	¼oz.
Rosea. Rose, dark eye	$0 10	$0 50
Alba. White, crimson eye	10	50
Alba pura. Pure white	10	50
Mixed	10	40

VIOLAS (Tufted Pansies)

These have smaller flowers than the regular pansies, but bear them so profusely that they are preferred for bedding effects where color only is wanted. 6 inches.

Admiration. Rich, dark blue — Large pkt. 40 cts. — Pkt. $0 15
Apricot. Apricot-yellow, tinged orange. A distinct variety. — Large pkt. 75 cts. — 25
Blue Perfection. Mauve, yellow eye — Large pkt. 40 cts. — 15
Jersey Gem. See Novelties and Specialties on page 9
Lutea splendens. Golden yellow — Large pkt. 40 cts. — 15
Mauve Queen. Delicate lavender-blue — Large pkt. 40 cts. — 15
Purple Queen. Deep purplish blue — Large pkt. 40 cts. — 15
Scotch Strains. Choicest and newest bedding hybrids, mixed. — Large pkt. $1 — 50
White Perfection. Pure white — Large pkt. 40 cts. — 15
Choice Mixed — Large pkt. 40 cts. — 15

VIOLET

Odorata. Pretty, free-blooming hardy Violets with large, fragrant flowers — Large pkt. 25 cts. — 10

MAMMOTH VERBENAS

Our choice strain of Mammoth Verbenas, one of the most effective bedding plants, is unsurpassed for its brilliant colors and immense flowers. The plants, of spreading growth, are just covered with large heads of beautifully colored flowers until late in autumn. Best results are obtained by sowing the seed early in the house or hotbed. Outdoor sowings may be made in May. Annual.

	Pkt.	¼oz.		Pkt.	¼oz.
Pink	$0 10	$0 60	**White**	$0 10	$0 60
Purple	10	60	**Yellow**	10	60
Scarlet	10	60	**Blue**	10	60
Striped	10	60	**Mixed**	10	50

COLLECTION: One pkt. each of above 7 colors, 60 cts.

Giant-flowered

Blue	**Luminosa**	**Rosea Stellata**
Lucifer	**Pure White**	**Violacea Stellata**

See Novelties and Specialties, page 9, for above varieties

Hybrida, Royale. See Novelties and Specialties, page 9. — Pkt.
Hybrida, Helen Willmott. See Novelties and Specialties, page 9.
Hybrida compacta, Royal Bouquet. See Novelties and Specialties, page 9.
Hybrida gigantea. A wonderful mixture of large-flowering varieties. The flowers are gigantic and with white eye; the reds particularly attractive — Large pkt. 40 cts. — Pkt. $0 15

Various Verbenas

Citriodora (Lemon-scented Verbena). An old favorite with fragrant evergreen leaves. 3 feet — Large pkt. 40 cts. — 15
Erinoides (Moss Verbena). Elegant little spreading bushes with finely cut foliage and pretty heads of purplish rose bloom, changing to Oxford blue — Large pkt. 25 cts. — 10
Erinoides alba. Of the same character as above, but with white flower-heads — Large pkt. 25 cts. — 10
Venosa. Largely used for bedding purposes; strong, thrifty growers covered with bright purplish heliotrope flowers. 1 foot — Large pkt. 25 cts. — 10

WALLFLOWER

Well-known, deliciously fragrant, half-hardy perennials, blooming early in the spring, with spikes of beautiful flowers. They should be protected in a coldframe in the winter and planted out in April.

Early Paris Market. This variety, if sown in March, will bloom in July — ¼oz. 25 cts. — Pkt. $0 10
Bronze King. Flowers reddish bronze, very early, suitable only for growing indoors for winter blooming — Large pkt. 50 cts. — 20
Single Mixed. All colors — ¼oz. 25 cts. — 10
Double Finest Mixed — Large pkt. 40 cts. — 15
Double Annual. A recent novelty from Europe. If sown early in spring, will be in full bloom by June 1. Yellow and dark brown flowers of great beauty and wonderful scent on superb, strong spikes. We consider this valuable for pot-culture under glass — Large pkt. 75 cts. — 25

IMPORTED COLLECTION OF SINGLE WALLFLOWERS: Eight colors, 60 cts.

XERANTHEMUM

Double Mixed. Beautiful Everlasting Flowers, easy to grow. Sow in spring where they are desired to bloom. The flowers, of bright rose, purple, or white, are borne on long, slender stems, and retain their color when cut and dried. Much prized for winter decorations — ¼oz. 30 cts. — Pkt. $0 10



Double Giant-Flowered Zinnia

WATERER'S SUPERB DOUBLE GIANT-FLOWERED ZINNIAS

Youth and Old Age

The Double Giants grow to a height of 3 feet and bear enormous double flowers which often attain a diameter of 4½ to 5 inches. Although tall and erect in growth, they are sturdy and well rooted and require no support. From seed sown in early spring they commence to bloom in July and continue until October.

	Pkt.	¼oz.		Pkt.	¼oz.
Giant Scarlet	$0 15	$0 50	**Giant Deep Sal.-Rose**	$0 15	$0 50
Giant White	15	50	**Giant Purple**	15	50
Giant Crimson	15	50	**Giant Bright Rose**	15	50
Giant Flesh-Pink	15	50	**Giant Shrimp-Pink**	15	50
Giant Golden Yellow	15	50	**Giant Violet**	15	50
Giant Orange	15	50	**Giant Mixed**	15	40
Giant Canary-Yellow	15	50		Oz. $1.25	

COLLECTION: One pkt. each of above 12 colors, $1.50

DOUBLE CALIFORNIA GIANTS. See Novelties and Specialties on page 9.

DOUBLE DAHLIA-FLOWERED ZINNIAS

Illustrated in color on page 36

This type, the latest development in Zinnias, bears flowers of mammoth size and in form like a perfect decorative Dahlia.

	Pkt.	Large pkt.		Pkt.	Large pkt.
Buttercup	$0 20	$0 50	**Oriole**	$0 20	$0 50
Dream	20	50	**Scarlet Flame**	20	50
Crimson Monarch	20	50	**Lemon Beauty**	20	50
Exquisite	20	50	**Polar Bear**	20	50

For descriptions of above varieties, see Novelties and Specialties, page 9.

COLLECTION: One pkt. each of above 8 colors, $1.35

Mixed. All colors. Pkt. 15 cts.; large pkt. 35 cts.; oz. $2.

DWARF DOUBLE ZINNIAS

A group with double, perfectly formed, medium-sized flowers having long stems, making them exceptionally fine for cut-flowers. This is a Cut-and-Come-Again type, and is especially fine for massing in the garden, producing a continuous succession of cut-flowers throughout the summer. 2 feet.

	Pkt.	¼oz.		Pkt.	¼oz.
Bright Scarlet	$0 10	$0 25	**Canary-Yellow**	$0 10	$0 25
White	10	25	**Golden Yellow**	10	25
Crimson	10	25	**Flesh-Pink**	10	25
Salmon-Rose	10	25	**Mixed**	10	20

COLLECTION: One pkt. each of the above 7 colors, 60 cts.

VARIOUS ZINNIAS

	Pkt.
Achievement. Distinct tubular and cactus-like florets; rich variety of shades. ¼oz. 60 cts.	$0 15
Picotee. Similar in size and habit to the Double Giants. The flowers come in a great variety of soft shades with each petal distinctly tipped with darker color. **Mixed.** ¼oz. 60 cts.	15
Victory. A very distinct variety with large, densely double, quilled flowers. The colors are mostly in russet, orange, old-rose, and other autumn tints. ¼oz. 60 cts.	15
Curled and Crested. Large, double flowers; petals twisted and curled. 1½ feet. Mixed colors. ¼oz. 40 cts.	10



Picotee Zinnia

LILLIPUT ZINNIAS

The plants are compact and covered with small, densely double flowers on long stems.

This type is wonderfully adapted for beds or borders, commencing to flower early in summer and continue until fall. Height 15 inches.

	Pkt.	¼oz.		Pkt.	¼oz.
Crimson Gem	$0 10	$0 40	**Scarlet Gem** (Red Riding Hood)	$0 10	$0 40
Canary-Yellow	10	40	**White Gem**	10	40
Golden Gem	10	40	**Mixed**	10	40
Salmon-Rose	10	40			

COLLECTION: One pkt. each of above 6 colors, 50 cts.



Curled and Crested Zinnia

MIXED FLOWER SEEDS FOR THE WILD GARDEN

A most interesting way in which to grow annual flowers is to reserve a portion of your grounds for a Wild Flower Garden and sow mixed seed in it. For this purpose we offer a collection of easily grown annuals which will furnish a profusion of bloom throughout the season, without the attention necessary for more formal plantings. This mixture will be found valuable for sowing in bare spots, along fences and on embankments, and will convert many an unsightly spot into a place of beauty. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 75 cts.; lb. $2.50.

Cut-flower Garden Mixture. A mixture of hardy annuals blended to give a continuous succession of cut-flowers from early summer until late fall. Pkt. 10 cts.; oz. 30 cts.; ¼lb. $1.



Garden Vegetables

All prices are subject to change without notice

ASPARAGUS SEED

CULTURE. Sow the seed as early in spring as the soil can be worked, in drills 1 foot apart, and, when well started, thin out to 3 inches apart. When one to two years old, transplant into permanent beds, which should be well and deeply manured and trenched to a depth of 1½ feet. Set the plants in rows 3 feet apart, and not less than 1½ feet apart in the row. Care should be taken that the roots are well spread, and set at a depth of 6 inches below the level of the bed. Cover only 2 or 3 inches, and fill in gradually as the plants grow. Very little, if any, should be cut the first year after transplanting, but a fair crop can be cut the second year. Every fall after the tops have been cut down, apply a dressing of coarse manure, and in the spring fork it in. An occasional top dressing of salt at the rate of one-half pound per square yard is also beneficial.

ARGENTEUIL. This variety is largely grown in France for the Paris market. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 50 cts.; lb. $1.50.

BARR'S MAMMOTH. A quick grower with very large stalks. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 40 cts.; lb. $1.

CONOVER'S COLOSSAL. The standard variety; large and very prolific. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 40 cts.; lb. $1.

PALMETTO or ECLIPSE. An early, prolific, and very desirable variety. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 40 cts.; lb. $1.

Pedigreed Washington. It is rust-resistant, particularly vigorous, and of wonderful quality. The shoots are large, straight, dark green in color, and with a heavy purple overtone; the tight, firm tips do not begin to open out until well out of the ground. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.50.

ASPARAGUS ROOTS

It requires 100 plants for a single row of 150 feet

	Doz.	100	1,000
Argenteuil	$0 30	$1 25	$10 00
Barr's Mammoth	30	1 25	10 00
Conover's Colossal	30	1 25	10 00
Palmetto or Eclipse	$0 30	$1 25	$10 00
Pedigreed Washington	50	1 75	15 00

Above prices are for 2-year-old roots

ARTICHOKE

CULTURE. Sow seed in hotbed in February or March, in rows 6 inches apart. Transplant, when large enough, into boxes or pots. After danger of frosts is past, plant in the open ground, in rows 3 feet apart, 2 to 3 feet apart in row, care being taken to press firmly in the ground, but do not plant too deep.

LARGE GLOBE or PARIS. The best of all Artichokes. Pkt. 15 cts.; ¼oz. 35 cts.; oz. $1.

JERUSALEM ARTICHOKE. Distinct from the Globe, and propagated by and for its tubers. Lb. 20 cts.; 5 lbs. 85 cts.; 25 lbs. $2.75.



Pedigreed Washington Asparagus

INOCULATE BEANS AND PEAS WITH **STIMUGERM**


Bountiful Beans

BEANS

One pound will plant about 100 feet of drill

INOCULATE THIS SEED WITH STIMUGERM

Beans should not be planted too early, as they are very sensitive to cold and wet. Plant about the middle of April, when warm and favorable, and at intervals throughout the season for a succession until the latter part of August Bush varieties should be planted in rows 2 feet apart, and the Beans 2 inches apart and 2 inches deep in the rows. Keep them well cultivated and draw the earth up to the stem, but only when dry.

DWARF GREEN-PODDED BEANS

Bountiful. This is the best of the flat-podded, stringless varieties. The light green pods are 6½ to 7 inches long, stout, flat, somewhat curved, absolutely stringless, attractive, and of very fine quality. At the same time it is very early, vigorous, hardy, and a heavy yielder. Pkt. 10 cts.; lb. 55 cts.; 2 lbs. $1.05; 5 lbs. $2.50.

EXTRA-EARLY RED VALENTINE. This is the earliest of all green Bush Beans. The pods are round, slightly curved, very meaty, pale green in color, and semi-transparent. The plants bear abundantly and the Beans remain fit for use a long time. Pkt. 10 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. $2.

MASTERPIECE (SUTTON'S). A superior green, round-podded variety; very prolific; long, straight, stringless pods; very early, fine forcer. Our imported stock of this exceptionally fine variety has given great satisfaction wherever tried. Pkt. 15 cts.; lb. 65 cts.; 2 lbs. $1.25; 5 lbs. $3.

***Stringless Green-Pod.** This Bean is very early, productive, hardy, and vigorous. The pods average about 5 inches in length, straight, stout, round, crease-backed, and of a dark green color. They are tender, brittle, of the finest flavor and quality, and strictly stringless. Pkt. 10 cts.; ½lb. 30 cts.; lb. 50 cts.; 2 lbs. 95 cts.; 5 lbs. $2.25.

GIANT STRINGLESS GREEN-POD. Somewhat similar to Stringless Green-Pod, but pod is a little longer, straighter, more slender, and slightly lighter in color; early, hardy, and of highest quality. Pkt. 10 cts.; lb. 50 cts.; 2 lbs. 95 cts.; 5 lbs. $2.25.

CANADIAN WONDER. The finest forcing Bean. A great favorite, both for table and exhibition. Produces an abundance of very long fleshy pods of superb quality. Pkt. 15 cts.; lb. 60 cts.; 2 lbs. $1.10; 5 lbs. $2.75.

FULL MEASURE. A second-early, round-podded, stringless variety of recent introduction. The pods are good length, bright green in color, and entirely stringless. Very prolific and of excellent quality. Pkt. 10 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. $2.

BLACK VALENTINE. Very popular on account of its extreme hardiness and earliness. The pods are long, smooth, straight, round, and of a bright green color. Pkt. 10 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. $2.

DWARF WAX OR YELLOW-PODDED BEANS

Wardwell's Kidney Wax. Plants of this Bean grow about 15 inches high; vigorous and very productive. The pods are straight, almost flat, and from 5½ to 6 inches long. They are fleshy, brittle, fine-grained, stringless, and of a rich golden yellow color, and are of good quality and very attractive. Pkt. 10 cts.; lb. 55 cts.; 2 lbs. $1.05; 5 lbs. $2.50.

***IMPROVED RUSTPROOF GOLDEN WAX.** A strong grower; free from rust. Pods meaty and well filled, semi-round, rich yellow, fine quality; entirely stringless. Pkt. 10 cts.; ½lb. 30 cts.; lb. 50 cts.; 2 lbs. 95 cts.; 5 lbs. $2.25.

PENCIL-POD BLACK WAX. Long light golden yellow pods, very tender and brittle. Pkt. 10 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. $2.

Stringless Refugee Wax. The pods are round, pencil-like, and are always stringless. The color is a rich golden yellow, and the quality is excellent. Pkt. 10 cts.; lb. 55 cts.; 2 lbs. $1.05; 5 lbs. $2.50.

CURRIE'S RUSTPROOF WAX. Early and productive. The pods grow flat, are very long, tender, and of the finest quality. Pkt. 10 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. $2.

BURPEE'S NEW KIDNEY WAX. Long, handsome pods which are remarkable for their meatiness, fine flavor, brittleness, and freedom from strings. Pkt. 10 cts.; lb. 50 cts.; 2 lbs. 95 cts.; 5 lbs. $2.25.

SURE-CROP WAX. A stringless dwarf Wax Bean, very tender and of excellent quality. Pkt. 10 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. $2.

DWARF BEANS FOR SHELLING (Winter Use)

***BOSTON SMALL PEA BEAN.** Commonly known as the Boston or Navy Bean. This is the standard sort for winter use. Fine for baking. ½lb. 25 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

***LARGE WHITE MARROW.** Large, oval-shaped, white Beans. The dried Beans are larger than Boston and very meaty. ½lb. 25 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

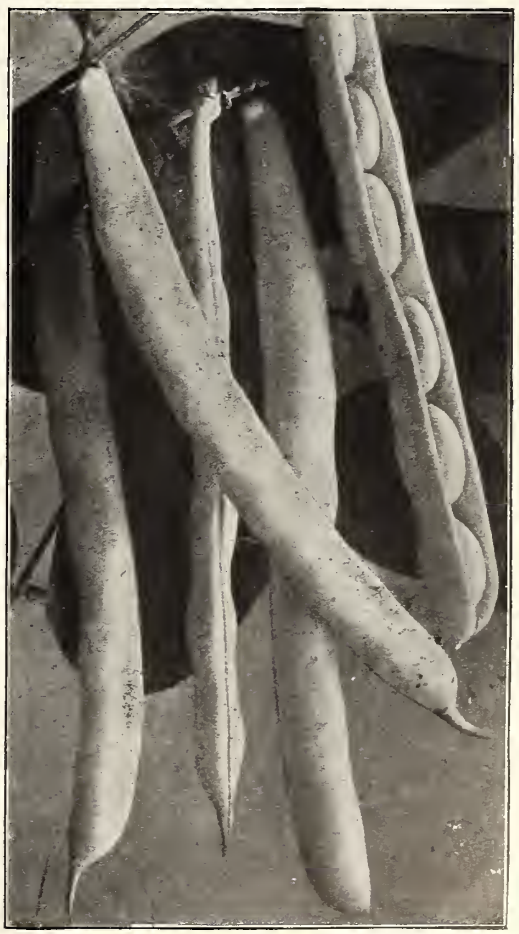
***RED KIDNEY.** Fine variety for baking. ½lb. 25 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

ENGLISH BEANS

Plant 4 inches deep, as early in the spring as the ground can be worked. The rows should be 3 feet apart, and the seed set 4 inches apart in the rows.

Broad Windsor. The best variety. Very hardy. Height 3 feet. Lb. 50 cts.; 2 lbs. 95 cts.; 5 lbs. $2.25.

PLEASE NOTE. Only varieties of Beans marked * can be supplied in ½lb. packages

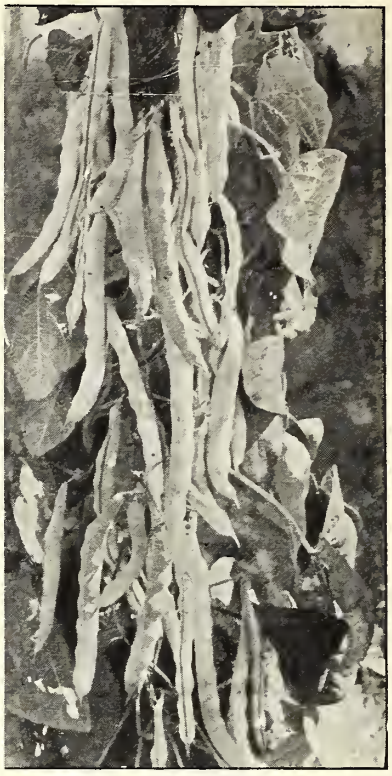

Improved Rustproof Golden Wax Beans

INOCULATE THIS SEED WITH STIMUGERM

BUSH LIMA BEANS

The Dwarf Lima class cannot be recommended too highly. The Beans can be grown and gathered much more easily than the Pole Limas as the plants require no support. They can also be grown closer together than those of any Pole variety. Dwarf Limas are fully equal in quality to Pole Limas and as a rule are earlier maturing. Limas require a longer season for maturing than other garden Beans. Plant when ground is dry, weather warm, and danger of frost is over. Select rich, light soil. Plant in drills 2 to 3 feet apart, dropping the Beans 3 to 4 inches apart and covering 1½ to 2 inches deep.

One pound will plant 50 feet of row



Kentucky Wonder Pole Beans

***Fordhook.** The Fordhook is entirely distinct in habit of growth. The stiffly erect bushes branch freely and bear tremendous crops. It is ready for use as early as the popular Burpee's Bush Lima, but the Beans are much plumper and remain green much longer. The green Beans are thick and meaty and are closely packed in the pods, which shell very easily. Pods are borne in clusters of from four to six, average 4 to 5 inches long, and usually contain four tender Beans of a delightful flavor. Pkt. 10c.; ½lb. 30c.; lb. 55c.; 2 lbs. $1.05; 5 lbs. $2.50.

BURPEE'S IMPROVED. Differs from the original Burpee's Bush Lima in having much larger pods and producing more Beans, while both pods and Beans are not only larger in size but also considerably thicker. The pods measure 5 to 6 inches long, and even when of full size the enormous Beans are of the most delicious flavor. Pkt. 10c.; lb. 50c.; 2 lbs. 95c.; 5 lbs. $2.25.

DREER'S or KUMERLE. An excellent large-seeded variety. Pods thick and large, each containing three to five thick Beans of the best quality. Pkt. 10c.; lb. 45c.; 2 lbs. 85c.; 5 lbs. $2.

DREER'S WONDER. The plants are upright and compact in growth, and are completely covered with large pods. Pkt. 10 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

HENDERSON'S. A dwarf form of the Sieva Lima, valuable for its earliness. Pkt. 10 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.



Pole Lima Beans

POLE OR RUNNING BEANS

Pole Beans are tender and should be sown two weeks later than Bush. They succeed best in sandy loam, liberally enriched with manure. Form hills 3 to 4 feet apart; plant three to six Beans in a hill, 2 inches deep, leaving space in center for the pole. When well started, thin to from two to four plants in the hill.

***Kentucky Wonder or Old Homestead.** Long, flat green pods, 7 to 9 inches in length, fleshy and stringless. Heavy yielder. Pkt. 10 cts.; ½lb. 25 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

LAZY WIFE. The dry Beans are excellent for winter use. Pkt. 10 cts.; lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. $1.50.

WHITE DUTCH CASE-KNIFE. Good as a Shell Bean, either green or dry. One of the earliest and very productive. Pkt. 10 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

WHITE CREASEBACK or BEST OF ALL. Early green-podded variety, productive, and of fine quality. Pkt. 10 cts.; lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. $1.50.

SCARLET RUNNER. A favorite, both for its quality as a Snap Bean and also for its flowers, which are a bright scarlet. Pkt. 10 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. $2.

***EARLY GOLDEN CLUSTER WAX.** An early sort, producing an abundance of bright golden yellow pods, which are thick, fleshy, and tender. Pkt. 10 cts.; ½lb. 25 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

KENTUCKY WONDER WAX. Similar to the Kentucky Wonder or Homestead Green Pod, except in the color of pods, which in this one are light waxy yellow. It has a thick, broad pod, very tender, of delicious flavor and stringless. Pkt. 10 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. $2.

POLE LIMA BEANS

These require poles 8 to 10 feet long. Plant in hills 3 to 4 feet apart each way, and 2 inches deep, allowing four to six seeds to each hill. When the plants are well established they should be thinned out to three. They are more sensitive to cold than the Bush Beans, and should not be planted before the middle of May.

One pound will plant about 50 hills

CARPINTERIA. A very fine, vigorous, strong-growing Lima. Very productive, and the Beans—usually four to the pod—are much larger and thicker than ordinary Limas and seeds retain their distinctively green tinge. Pkt. 10c.; lb. 45c.; 2 lbs. 85c.; 5 lbs. $2.

***King of the Garden.** A vigorous and productive sort; pods very long, each containing five to six large Beans of delicious flavor. Pkt. 10 cts.; ½lb. 25 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. $2.

EARLY JERSEY. This variety matures a few days earlier than the King of the Garden Lima. Pkt. 10 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. $2.

Waterer's Evergreen. Vines are vigorous and make strong growth, producing large quantities of pods containing four large Beans. These are thicker than the ordinary Lima and have a decided green tinge, even when old, which they retain after cooking; unsurpassed in flavor. Pkt. 10c.; lb. 50c.; 2 lbs. 95c.; 5 lbs. $2.25.

DREER'S IMPROVED or CHALLENGER. The vines of this variety are vigorous and productive, the pods thick and contain four to five Beans of excellent quality. Pkt. 10 cts.; lb. 45 cts. 2 lbs. 85 cts.; 5 lbs. $2.

SMALL or SIEVA. Very productive. Beans sma'l, good quality. Pkt. 10 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.



Brussels Sprouts

BRUSSELS SPROUTS

A species of the cabbage family, which produces miniature heads from the sides of the stalk. These heads are a great delicacy, cooked in the same way as cauliflower. Sow seed about the middle of May, in a seed-bed, and the plants afterwards set in rows 2 feet or more apart, and cultivated like cabbage.

LONG ISLAND HALF DWARF. Produces compact sprouts of finest quality; a good keeper. Pkt. 10 cts.; oz. 30 cts.; ¼lb. 80 cts.

"EXHIBITION." Produces an abundant crop of large, solid sprouts, delicious in flavor, which come early to maturity. Pkt. 10 cts.; oz. 35 cts.; ¼lb. $1.

MATCHLESS. Excellent for general use. Plants robust, very hardy, the stems are covered with compact globular sprouts of excellent flavor. Pkt. 10c.; oz. 35c.; ¼lb. $1.



Detroit Dark Red Beets

TABLE BEETS

Beets possess great food-value and are easily grown. Extensive plantings should be made to provide for summer and winter use. Sow as early as the ground can be worked, in rich or well-manured garden soil which has been deeply plowed or spaded. Sow in drills ½ to 1 inch in depth, allowing a space of 1½ feet between rows for cultivation. Successive sowings can be made until July. During the summer it is advisable to soak the seed over night in water before planting. Sow rather thickly and when plants are 2 to 3 inches high, thin out to 4 or 5 inches between plants. The young plants which you take out need not be wasted, they are, in fact, superior to spinach for greens. The varieties we offer are greatly improved and will produce fine smooth roots of excellent quality.

One ounce will sow 50 feet of drill; 5 to 6 pounds for an acre

Crosby's Egyptian. A carefully selected strain of Egyptian, as early as the original, but larger, thicker, smoother, and of better quality. Flesh deep blood-red. It is a rapid grower, attaining a usable size quicker than almost any other variety, and does not become woody with age. Profitable in almost any soil and satisfactory for the small gardener as well as for the market. Pkt. 10 cts.; oz. 20 cts.; ¼oz. 50 cts.; lb. $1.50.

CRIMSON GLOBE. This fine variety is of medium size, perfect globe shape, and is produced very uniformly, with smooth skin, small tops, and a rich dark blood-red color, slightly zoned. It is very tender and sweet. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.50.

BASTIAN'S EARLY BLOOD TURNIP. Tops small; roots turnip-shaped; flesh tender, blood-red color. An extra-good medium-early. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.25.

Detroit Dark Red. This superb variety is one of the most popular red Turnip Beets, not only for market gardeners, but for home use. It is also one of the best for canning. Top small, upright growing, so that the rows may be close together; leaf-stem and veins dark red, blade green; root globular and very smooth; color of skin dark blood-red; flesh deep, bright red, zoned with a darker shade, very crisp, tender and sweet, remaining so for a long time. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.50.

Detroit Dark Red. (Selected.) An improved strain, carefully selected for uniformity of shape and color, and having distinct short tops. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 75 cts.; lb. $2.25.

EARLY ECLIPSE. This variety is exceedingly popular and is one of the best early sorts. The tops are small, admitting of close planting, and the roots are globular in shape. Flesh fine-grained, very sweet, dark red, zoned with a lighter shade. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.50.

EARLY MODEL RED GLOBE. This variety is an excellent selection of blood-red Beet, being extremely smooth and of fine color and perfect globe shape; flesh remarkably sweet and tender. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.50.



Swiss Chard

EARLY BASSANO. A very early flat variety; flesh white and rose-colored; very sweet. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 40 cts.; lb. $1.25.

Early Wonder. This is an early sort, being ready a few days ahead of Crosby's Egyptian. It is a turnip-shaped variety of very uniform type and is always smooth. Flesh is a beautiful deep red color and is of excellent quality. Tops are small and erect and it may therefore be planted closer than most other sorts. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 60 cts.; lb. $1.75.

HALF-LONG BLOOD. Of bright color and excellent quality. For winter use sow early in July. Pkt 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.50.

LONG DARK BLOOD. A good late variety for fall and winter use; sweet and tender. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.50.

Winter Keeper. Almost globe-shaped; rich dark red, tender and sweet. One of the best Beets to keep for a winter supply. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 75 cts.; lb. $2.50.

SWISS CHARD OR SPINACH BEET

One ounce will sow 50 feet of row

GIANT LUCULLUS. Swiss Chard is used extensively, either as greens or in the same manner as asparagus, when only the rib is eaten. It may also be cooked and eaten like spinach. Seed may be sown in April or May, in drills 1½ fect apart and 1½ inches deep. Thin the plants to 6 inches apart and cultivate the same as for the common beet. The outer leaves should either be cut off close to the base of the plant or pulled off when young, and may be picked continuously from June until frost, for when the leaves are cut others take their places very rapidly. Pkt. 10c.; oz. 20c.; ¼lb. 50c.; lb. $1.50.



Italian Broccoli

MANGEL-WURZEL AND SUGAR BEET

Used for feeding stock. Sow in May or June, in rows 3 feet apart, and thin to 8 inches apart in the row.

One ounce sows 50 feet of drill; 6 pounds an acre

Mammoth Prize Long Red. The largest and heaviest cropping Mangel. Dark red skin, with whitish flesh. Oz. 10 cts.; ¼lb. 30 cts.; lb. 75 cts.; 5 lbs. $3.50.

GOLDEN TANKARD. An enormous yielder of weight per acre, and at the same time very nutritious. Flesh deep yellow. Oz. 10 cts.; ¼lb. 30 cts.; lb. 75 cts. 5 lbs. $3.50.

IMPROVED WHITE SUGAR BEET. Does not grow quite so large as the Mangels, but is much sweeter and unsurpassed as a feed for milch cows, greatly improving the quality and yield of the milk. Oz. 10 cts.; ¼lb. 30 cts.; lb. 75 cts.; 5 lbs. $3.50.

BROCCOLI

Belongs to the same family as cauliflower, but of a little coarser texture. More hardy and therefore better adapted to a wider range of conditions. The new Green Sprouting types are quite different in manner of growth, as shown in illustration.

ITALIAN GREEN SPROUTING. A new and distinct variety of the sprouting type. It forms a large head consisting of a cluster of bluish green flower-heads. When this central head is removed, the plant develops numerous lateral sprouts, each of which produces a small head. These are cut, leaving about 6 inches of the stem. Both stems and heads are cooked and served like cauliflower. For July crop, sow the seed in a hotbed in March or April, and for fall crop, in the open ground in May. Ready for use in about 90 days. Pkt. 25 cts.; ½oz. $1; oz. $1.75.

LARGE WHITE FRENCH. Heads white, very compact, and hard. Pkt. 15c.; ½oz. 45c.; oz. 75c.

CABBAGE

For very early use, sow in January or February in hotbeds; prick out when the plants are strong enough into other hotbeds, or sow in hotbeds in March. Transplant to the open ground when danger from killing frosts has passed, in rows 2 feet apart and 1½ feet from plant to plant. For succession, sow in the open ground the last of March or early in April. The autumn and winter varieties may be sown in April or early in May, in shallow drills 3 to 4 inches apart; transplant early in July, making the rows about 2½ feet apart, and setting the plants 2 feet apart in the rows. Cabbage succeeds best in a fresh, rich soil, well manured, and deeply dug or plowed.

One ounce should produce about 2,500 plants

Copenhagen Market. The finest, large, round-headed early Cabbage. The heads average about 10 pounds, are solid, and of fine quality. It matures as early as Charleston Wakefield, and will give a heavier yield per acre. Pkt. 10 cts.; ½oz. 35 cts.; oz. 60 cts.; ¼lb. $1.75.

Selected Early Jersey Wakefield. The standard early variety; conical in shape; medium-sized heads; very solid. Pkt. 10 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.35.

Babyhead. Extreme earliness and small size are characteristic of this new variety. The head is less than 6 inches across, round, firm, and of splendid mild cooking quality. The outer leaves are few and small, and the stem is short. Babyhead is recommended as the first to reach the table when grown outdoors and also for growth under glass, for which purpose it is ideal. Pkt. 15 cts.; ½oz. 35 cts.; oz. 60 cts.



Selected Early Jersey Wakefield Cabbage

GOLDEN ACRE. A new, early, round-headed Cabbage which resembles Copenhagen Market in type but smaller, and can be planted more closely. Solid and of very fine quality. Pkt. 15 cts.; ½oz. 35 cts.; oz. 60 cts.; ¼lb. $2.25.

CHARLESTON or LARGE WAKEFIELD. Not quite as early as the regular Jersey Wakefield; heads considerably larger, very solid, and not so pointed. Pkt. 10 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.25.

EARLY SUMMER. A second-early Cabbage which matures about ten days after the Jersey Wakefield. Large, solid, flattish head, with short outer leaves. Pkt. 10 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.25.

SUCCESSION. This popular second-early sort is about ten days later than Early Summer, larger in growth, and heads more uniform. It is an excellent keeper and in color an attractive light green. Pkt. 10 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.25.

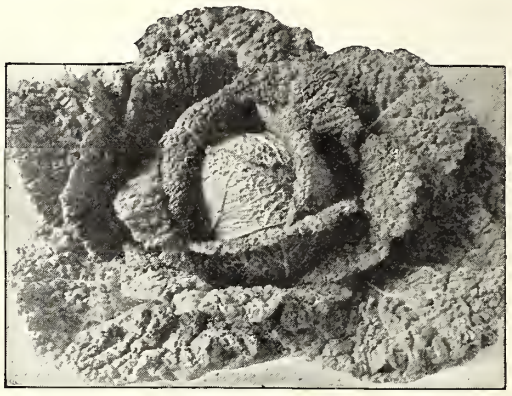
ALL-SEASONS (Vandergaw). Large, hard, solid and slightly flattened heads. As good for autumn or winter as for early summer. Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.

Danish Ballhead. A well-known variety on account of its solid heads and unsurpassed keeping qualities. Heads are of medium size with few outer leaves, hence its name, "Ballhead." Solid, crisp, tender, with small amount of waste. Pkt. 10 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.25.

DANISH ROUNDHEAD. Similar to Danish Ballhead, but slightly larger and about two weeks earlier. Very hard and heavy. Pkt. 10 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.25.

Selected Late Flat Dutch. A popular late variety. Its keeping qualities are unsurpassed. For market and family use this variety is more extensively cultivated than any other. Pkt. 10 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.25.

LARGE LATE DRUMHEAD. A favorite winter variety. The heads grow very large and heavy. They are solid, of good quality and texture, and have very few loose leaves, allowing of planting closely in the field. Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.



Savoy Cabbage

SAVOY CABBAGE

Perfection Drumhead Savoy. The hardest heading and best Savoy, possessing the rich flavor of the cauliflower. Pkt. 10c.; ½oz. 25c.; oz. 40c.; ¼lb. $1.25.

RED CABBAGE

Mammoth Rock Red. This late standard variety produces very solid, 10-pound heads of intense dark red color. The plant is large, with numerous spreading leaves and is sure heading. Used very largely for pickling on account of its excellent flavor and attractive color. Produces the largest head of any of the red varieties. Pkt. 10 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.25.

RED DRUMHEAD. The standard pickling variety and a good keeper. Heads large, rounded in shape, solid, and of a fine, deep red color. Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.

CHINESE CABBAGE

This is often called "Celery Cabbage" on the market, and when well grown resembles cos lettuce. The leaves, when young, are crimped and of a light green color. The plant, as it becomes older, grows more upright and forms heads much like cos lettuce. The inner leaves blanch an attractive light yellow or creamy white with very white midribs. It has a distinctive flavor, very mild and pleasant. It can be served as a salad like lettuce or cooked like other Cabbages. Sow seed after July 1.

PE-TSAI. Tall, narrow shape. Leaves delicate green with pure white center ribs; heart pure white and tempting. Pkt. 10c.; ½oz. 25c.; oz. 40c.

WONG BOK. Quite distinct in appearance of growth, being much shorter, with broad leaves and heavy broad heart. The ribs being also broad and heavy are very juicy. Pkt. 10 cts.; ½oz. 30 cts.; oz. 50 cts.



Pe-Tsai Chinese Cabbage

CARDOON

Sow early in the spring and transplant in trenches of well-manured ground, 3 feet apart and 1 foot apart in the rows; when full size, bind the plant together and earth up the same as celery.

LARGE SOLID. Grows about 4 feet high and is almost entirely spineless. Pkt. 10 cts.; oz. 50 cts.

All prices subject to market changes

CARROT

A sandy, rich loam, deeply cultivated, is the best soil for Carrots. For home-gardens, sow in rows 1 foot apart and thin to 2 to 3 inches apart in the row; for field-culture, 2 to 2½ feet between rows. Cover ½inch and thin to 3 to 4 inches between plants.

One ounce will sow 100 feet of drill; 3 to 4 pounds for an acre



Danvers Half-Long Carrots

Danvers Half-Long Orange. A first-class variety. The smooth, handsome roots are of medium length, tapering uniformly to a blunt point; flesh dark orange, sweet, crisp, and tender. Valuable for market-gardeners; also as a field crop. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.50.

EARLIEST FRENCH FORCING. The earliest of all varieties, and especially adapted for cultivation under glass, both on account of its earliness and the shortness and small size of its roots. Delicate, fine-grained, and remarkably fine flavored. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 60 cts.; lb. $2.

EARLY SCARLET HORN. For forcing and early garden use; flesh deep orange, fine grained. May be planted very early and is an excellent summer variety. Tops small and roots grow about 2 inches long. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.50.

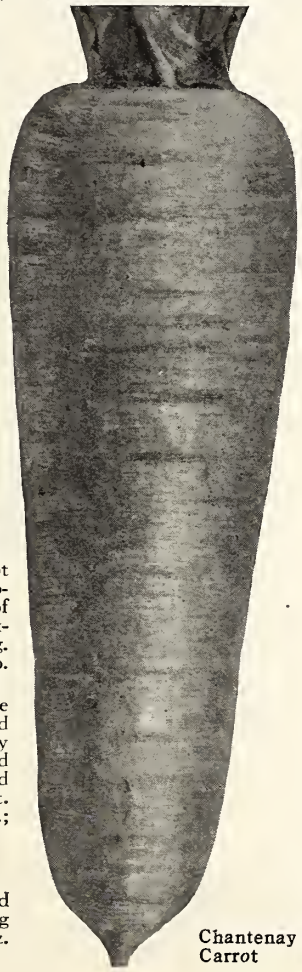
Nantes Half-Long, Improved. Sweet, fine flavored, almost without a core; very fine grained; excellent for the home-garden or market. Finest in quality and handsomest in shape of the medium-sized sorts. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 60 cts.; lb. $2.

CHANTENAY or MODEL. An excellent Carrot for summer and winter use. It is finely shaped, half-long, blunt-pointed, with a small top, and the roots run very even in shape and size—about 5 to 6 inches long. The skin is clean, smooth, and of a deep orange color. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.50.

ST. VALERY. One of the best and handsomest main-crop Carrots and enormously productive. The roots are symmetrical, tapering regularly from the shoulder to tip, smooth, and free from side roots. Pkt. 10 cts.; oz. 20c.; ¼lb. 50c.; lb. $1.50.

IMPROVED LONG ORANGE. Deep orange color; about 3 inches thick at the top and about 1 foot long, tapering to a point. Very productive. It is a good keeper, of fine quality for winter use, and extensively grown for stock feeding. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.50.

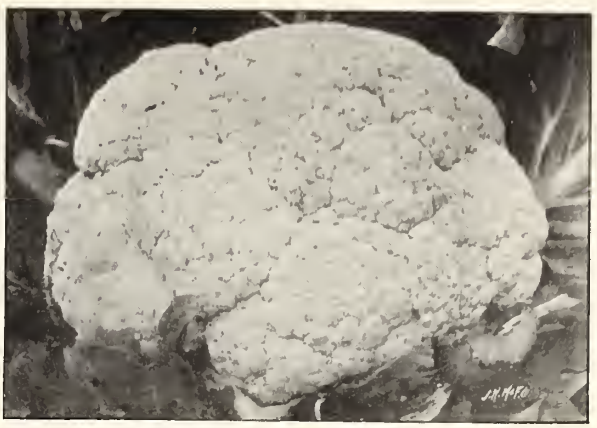
LARGE WHITE BELGIAN. The roots grow partly above ground and are thick through, yielding a heavy crop which should be harvested before frost. It is a field Carrot and grown only for stock feeding. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 30 cts.; lb. $1.



Chantenay Carrot

CHERVIL

CURLED. Cultivated like parsley and used for garnishing and flavoring soups and salads. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 60 cts.



Waterer's Super Snowball Cauliflower

CAULIFLOWER

Cauliflower delights in a rich soil and abundance of water. Sow the seed in a hotbed in January or February, and, when the plants are large enough, transplant 3 inches apart in boxes or in other hotbeds until time to plant out. If hardened off they are seldom injured by planting out as early as the ground can be properly prepared, in rows about 2½ feet apart, and 2 feet between the plants. Cauliflower succeeds best when planted in frames at the close of winter, and brought to maturity before the summer heat sets in. Late varieties, which mature in autumn, are sown and managed like winter cabbage.

Waterer's Super Snowball. A carefully selected strain of Early Snowball Cauliflower. It is healthier, more vigorous, and strongly resistant to adverse weather conditions as well as diseases. Large, snow-white, solid heads of finest texture. Recommended for forcing and out-door growing. Pkt. 50 cts.; large pkt. $1; ¼oz. $1.75; ½oz. $3; oz. $5.

EARLY SNOWBALL. Its compact habit of growth renders it a very profitable variety to force under glass, and it does well for late planting, as well as for early crops. It is a sure header. Pkt. 25 cts.; large pkt. 50 cts.; ¼oz. $1; ½oz. $1.75; oz. $3.

EARLIEST SNOWSTORM. A splendid dwarf early variety for forcing or growing in the open ground. Pkt. 25 cts.; large pkt. 50 cts.; ¼oz. $1.25; ½oz. $2; oz. $3.50.

DANISH GIANT or DRY WEATHER. This variety withstands dry weather better than any other sort; heads large, very solid, snow-white, and of the most delicate flavor. Pkt. 25 cts.; large pkt. 50 cts.; ¼oz. $1; ½oz. $1.75; oz. $3.

VEITCH'S AUTUMN GIANT. A valuable and distinct late variety, producing large, white, firm heads. Pkt. 10 cts.; large pkt. 20 cts.; ¼oz. 35 cts.; ½oz. 60 cts.; oz. $1.

EARLY PARIS or NONPAREIL. This is a well-known standard French variety, producing good-sized, pure white heads, which are tender and delicious. Pkt. 15 cts.; large pkt. 25 cts.; ¼oz. 50 cts.; ½oz. 85 cts.; oz. $1.50.

ALGIERS. One of the best late sorts. Grown largely for fall use. It is a sure header. Pkt. 15 cts.; large pkt. 25 cts.; ¼oz. 50 cts.; ½oz. 85 cts.; oz. $1.50.



Witloof Chicory

CHICORY

WITLOOF CHICORY or FRENCH ENDIVE. Sow the seed during May, in rows 1 to 1½ feet apart, and cover with about ¼inch of soil; when large enough, thin out to 6 inches apart in the row. In late autumn, lift the roots carefully, cut off the leaves about ½inch from the crown, and store in the cellar in sand or dry soil. After one month's rest they are ready for forcing. Plant thickly in a deep box in the cellar or in a dark place where it is warm. They will soon begin to send forth new leaves which, grown in the dark, are snowy white, crisp, and of finest flavor. It requires about one month to force the roots and the heads are cut off with a small portion of the neck of the root attached. A continuous supply can be had by planting a dozen roots or more at a time. Pkt. 10 cts.; oz. 35 cts.; ¼lb. $1.

CELERY

Sow the last of March or early in April, in drills 8 to 10 inches apart. The seed should be covered very lightly or merely pressed into the earth. When fairly out of the seed-leaf, they may be transplanted to another bed, or else thinned out to 4 inches apart and let grow until wanted for transplanting out into the beds or trenches early in July. Some gardeners trim off the tops a little while the plants are small, to make them grow more stocky. The trenches should be shallow, 3 to 4 feet apart, and wide enough to hold one or two rows. These rows should be 1 foot apart and the plants set about 6 inches apart in the row. As the plants grow they should be earthed up to blanch them, care being taken not to let the earth get into the heart. For keeping over the winter, bank up with earth and cover over with litter to keep out the frost, placing boards on top to keep out the rain.

One ounce of seed should produce about 3,000 plants

COLUMBIA. A splendid variety of medium height. The stalks are broad and thick, almost round, solid, and of the highest quality. The foliage is of a light green shade with a tinge of yellow. It matures early, is crisp, tender, and of fine flavor. Pkt. 10 cts.; ½oz. 30 cts.; oz. 50 cts.; ¼lb. $1.50.

Easy Blanching. A variety of Celery remarkably easy to blanch which, together with its being adapted to early use as well as storing for winter, makes it especially suitable for the home-garden. Stalks thick, brittle and of excellent flavor; plant a strong healthy grower. Pkt. 15 cts.; ½oz. 60 cts.; oz. $1; ¼lb. $3.

Paris Golden Self-blanching. (French-grown seed.) The best very early Celery, extensively grown for summer and early autumn use. The stalks are solid, crisp, tender, and of fine, nutty flavor. Pkt. 20 cts.; ½oz. 85 cts.; oz. $1.50.

White Plume. This is one of the most popular of the varieties now in use. A comparatively easy variety to grow, as it is fairly hardy, and, being naturally white, is easy to blanch. Forms a medium-sized bunch and is fairly tall. Used mostly for a very early crop. Pkt. 10 cts.; ½oz. 30 cts.; oz. 50 cts.; ¼lb. $1.75.

Golden Plume or Wonderful. A new type of Golden Self-blanching, with wider leaves and thicker stems. A great improvement over all other yellow varieties. It is somewhat earlier than Paris Golden Self-blanching and is more easily blanched to a beautiful, clear, creamy white. The plant is stout and stocky and a full heart. A vigorous grower, resistant to disease and unequaled for home-garden, local market, and long-distance shipments. Pkt. 25 cts.; ½oz. $1.25; oz. $2.

GIANT PASCAL or WINTER KING. One of the best for fall and winter use. It is a selection from the Golden Self-blanching, and adds to the general good quality of its parent superior keeping qualities. The stalks are very large, solid, crisp, and of a rich, nutty flavor. It blanches very easily and quickly. The heart is golden yellow; very attractive. Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.25.

Winter Queen. This is the most valuable variety of Celery for winter and spring use ever introduced. It is thicker and heavier, with double the amount of heart of any known Celery. The plant is beautiful in appearance, of close habit and compact growth, and blanches to a beautiful cream-white. Ribs perfectly solid, crisp, and of a delicious, nutty flavor. Pkt. 10 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.25.

PRIZE PINK. Very select, large, solid, crisp, and of fine flavor. Pkt. 20 cts.; ½oz. 60 cts.; oz. $1.

STANDARD BEARER. (Red.) A variety of compact habit and robust growth. It grows to a heavy weight, is of good quality, solid, and of fine flavor. Pkt. 20 cts.; ½oz. 60 cts.; oz. $1.

DWARF GOLDEN HEART. Heart large and full, of a golden yellow; very solid, rich flavor, and good keeper. Pkt. 10 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.25.

BOSTON MARKET. Of dwarf-branching habit; solid, crisp, and fine flavor. Pkt. 10 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.25.

SOUP or FLAVORING CELERY. Not for planting purposes, but used for flavoring. ¼lb. 20 cts.; lb. 50 cts.



Golden Plume or Wonderful Celery

CELERIAC

Turnip-Rooted Celery

GIANT SMOOTH PRAGUE. An improved form of the Turnip-rooted Celery. Roots large, round, smooth, and free from side roots. A profitable variety for market-gardeners. Sow seed same as celery, transplant into rows 2 feet apart and about 6 to 8 inches apart in the row. No earthing up is required for Celeriac, as it is the roots which are the edible portion of the vegetable. Pkt. 10 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.25.

CORN SALAD

LARGE-SEEDED ROUND-LEAVED. A delicious salad for late fall, winter, and early spring use. The leaves are also used for garnishing meat dishes. Sow the seed during July, August, and September, in rich soil in shallow drills, and cover with ¼inch of soil. Matures in sixty to sixty-five days. The frost makes the leaves tender; they can be cut and used any time during the winter and early spring. Serve with a French dressing. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 60 cts.

CRESS

Easily grown during winter on the greenhouse bench, in frames or boxes, and splendid for salad, garnishing, or as an addition to winter lettuce. Sow seed very thickly in rows 3 to 6 inches apart under glass, or for summer 1 foot apart in open ground. Sow often for succession, as it soon runs to seed. Water cress requires a stream of running water, ditch, or pond, in which it will grow without care, except at first keeping weeds from interfering with it.

EXTRA CURLED or PEPPER GRASS. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.

WATER CRESS. Pkt. 10 cts.; ½oz. 30 cts.; oz. 50 cts.

UPLAND CRESS. Has the flavor of Water Cress, and will grow in any good soil. Pkt. 10 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.25.



Golden Bantam Sweet Corn

SWEET OR SUGAR CORN

Our Seed Corn is grown from carefully selected seed stocks

Sweet Corn, being liable to rot in cold, wet ground, should not be planted before May, or until the ground becomes warm. For a succession, plant every two weeks until middle of July, in rich, well-manured ground, in shallow furrows 3½ feet apart, thinning out to stand 1 foot apart in the rows, or in hills 3 feet apart each way, thinning out to stand three plants in a hill.

One pound will plant about 100 hills, or 150 to 200 feet of row

PLEASE NOTE. Only varieties of Sugar Corn marked * can be supplied in ½-lb. packages. Packets of all varieties Sweet Corn. 10 cts. each.

***DE LUE'S GOLDEN GIANT.** Grown and bred in New England, where it is pronounced the sweetest Corn ever eaten. ½lb. 25 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

EXTRA-EARLY CORY. (White-Cob Strain.) One of the earliest and best of the extra-early varieties. Ears medium size—large, sweet grain. Lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. $1.50.

EARLY MAYFLOWER. One of the whitest and sweetest of the early varieties, and an exceptionally good yielder. Ears average 8 inches, with deep kernel. Lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. $1.50.

***Stabler's Early.** Of larger size than usual for the early kinds. It is remarkable for fine flavor, sweetness, and earliness, and is a desirable variety for the home-garden. ½lb. 20 cts.; lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. $1.50.

Golden Sunshine. The earliest of the golden yellow type, maturing a week to ten days earlier than Golden Bantam, and more dwarf in habit, with ears 7 inches long, containing 10 to 12 rows of broad, yellow, delicious sweet grains. Lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

***Golden Bantam.** Of dwarf growth, the stalks averaging 4 feet in height, each producing two or more ears measuring from 5 to 7 inches in length. When ready for use, the kernels are bright golden yellow, deliciously sweet, richly flavored, and remain tender for some time after ripening. ½lb. 25c.; lb. 40c.; 2 lbs. 75c.; 5 lbs. $1.75.

GOLDEN CREAM. A cross between Country Gentleman and Golden Bantam, and combines the excellent qualities of both. Lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. $1.50.

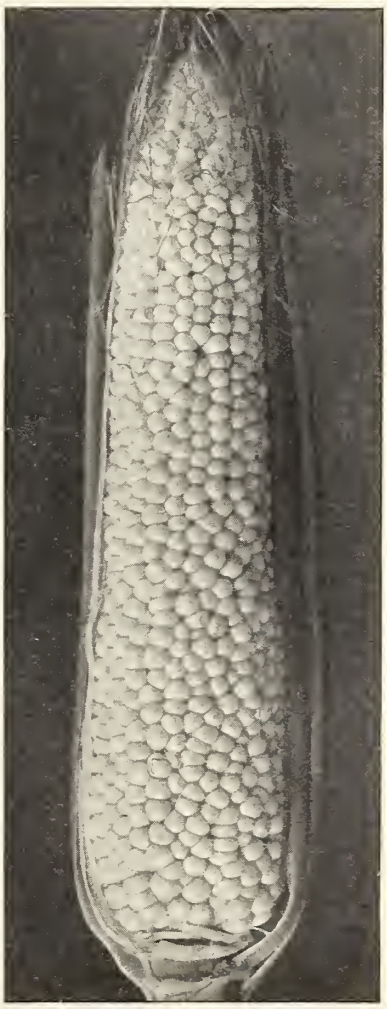
EARLY EVERGREEN. The ears grow to a good size (usually about 7 inches long), and contain from 16 to 18 rows of deep, sweet grains. Lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. $1.50.

KENDEL'S EARLY GIANT. A second-early variety, several days earlier than Crosby. Ears average 7 inches in length, with 10 or more rows of large grains of rich, sugary flavor. Lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. $1.50.

Howling Mob. One of the finest second-early, large-eared sorts. The stalks have abundant foliage, and generally produce two fine ears. The ears measure 7 to 9 inches in length, with 12 to 14 rows of good-sized, pearly white grains. Lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. $1.50.

BLACK MEXICAN. Grains deep bluish purple, of delicious quality; medium early. Lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

LATE MAMMOTH. Produces larger ears than any other Sugar Corn. It is of good quality, rich and very sweet; late. Lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. $1.50.



Country Gentleman Corn

Whipple's Early. Of the narrow-grained, Evergreen type, but ready for use much earlier. Ears 8 to 9 inches long, with 16 to 18 rows of pearly white grains. The chief distinction of this variety is that it is by far the earliest of the narrow-grained Evergreen types and has a larger sugar content. Lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

***Stowell's Evergreen.** Recognized everywhere as the standard variety for market and home use. Remains longer in green state than any other sort. Very large ears, with deep grains and remarkably sweet. ½lb. 25 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

***Country Gentleman.** One of the richest flavored of all the late sorts. As a table variety it stands unrivaled, and is without doubt the most luscious of all varieties of Sweet Corn. The plump, pearly white kernels are of great depth. ½lb. 25c.; lb. 40c.; 2 lbs. 75c.; 5 lbs. $1.75.

POP-CORN

Pop-Corn is frequently planted in the garden as a curiosity and to interest and please the children, but we would caution gardening friends against planting Pop-Corn near Sweet Corn, as they cross quite readily, and to the detriment of both types. Pop-Corn ears should be allowed to become thoroughly ripened on the stalk before they are gathered. The grain must be thoroughly dry before it can be popped; that is, grains a year old will pop more satisfactorily than those which are freshly gathered.

QUEEN'S GOLDEN. Pops perfectly white, and a single kernel will expand to a diameter of nearly 1 inch. Lb. 30 cts.; 3 lbs. for 75 cts.

WHITE RICE. The most popular white variety, of excellent popping qualities. Lb. 30 cts.; 3 lbs. for 75 cts.

HORSE-RADISH ROOTS

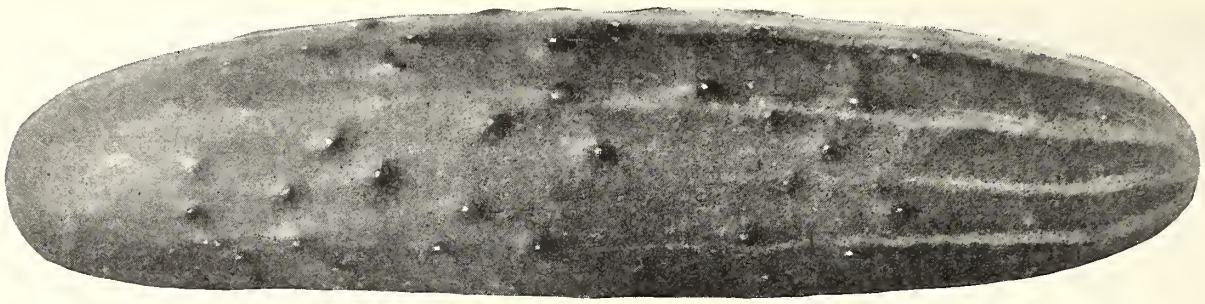
READY IN MARCH

Set the roots, small ends down, in rows 2½ feet apart, 1½ feet apart in the row. Late in the fall lift as many roots as you think you will use, cut off the top, place them in a cool cellar, covered with soil or sand; grate as wanted.

MALINER KREN. A quick-growing variety and far superior to the common sorts. Large cuttings, 35 cts. per doz.; $1.50 per 100; $10 per 1,000.

How to Pick Sweet Corn

To have the finest Sweet Corn, it must be picked in just the right condition, that is, when the skin of the grain breaks at the slightest puncture, and plantings should be made frequently enough always to have a supply at this stage. The quality will be inferior if it is either a few days too old or too young.



Waterer's Evergreen Cucumber

SELECTED CUCUMBER SEED

Sow the seeds early in the season in a hotbed, using small sods (grass side down) or flower pots, placing a few seeds in each. When all danger of frost is past, transplant into hills, which should be 4 feet apart and 1½ feet in diameter. For general crop, a sowing may be made in the open ground in May in rich, mellow soil, well manured, using eight to ten seeds to each hill, and when danger of insects is past, thin out to four plants to each hill. For pickles, sow from the middle of June to first week in July. Pick all fruit when of proper size.

One ounce of seed will sow 50 hills; 2 pounds for an acre

Waterer's Evergreen. The fruits are large, symmetrical in shape, and of a rich dark green color. Flesh pure white, firm and crisp, with comparatively few seeds; unsurpassed for quality. Pkt. 15 cts.; oz. 35 cts.; ¼lb. $1.

Arlington White Spine. The Cucumbers average 7 to 8 inches in length, straight, and of a rich dark green color. Flesh white, crisp, and solid, with comparatively few seeds. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.

DAVIS' PERFECT. An excellent variety for outdoor and forcing purposes. The long, even fruits are of fine form, with an intensely dark, rich green skin, very few seeds, and solid white flesh of superb quality for slicing. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 60 cts.

EARLY GREEN PROLIFIC or BOSTON PICKLING. Fruit short, smooth, symmetrical, and bright green; very productive, making a good pickle. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.

EARLY FORTUNE. One of the very early varieties, producing an abundance of fruit of medium size and very high quality. A good variety for early table use. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 60 cts.

WEST INDIA GHERKIN. A small prickly variety, used for pickles only. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 65 cts.

EARLY RUSSIAN. This is the earliest of all pickling Cucumbers. The fruits are small—about 3 inches in length and 1½ inches thick. A productive variety known for its excellent quality. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 60 cts.

Long Green (Jersey Pickle). A well-known standard variety about 1 foot in length, of most excellent quality, and when young makes the best of pickles. When ripe it is the best of any for sweet pickles. Vines vigorous and very productive. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 60 cts.

JAPANESE CLIMBING. Can be grown on a trellis; very prolific and of good quality. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 65 cts.

ENGLISH FORCING CUCUMBER

These varieties are used for forcing. They can be grown in hotbeds or houses where the temperature does not fall below 65 degrees at night. The fruits are long, smooth, and handsome, frequently growing 20 to 30 inches long.

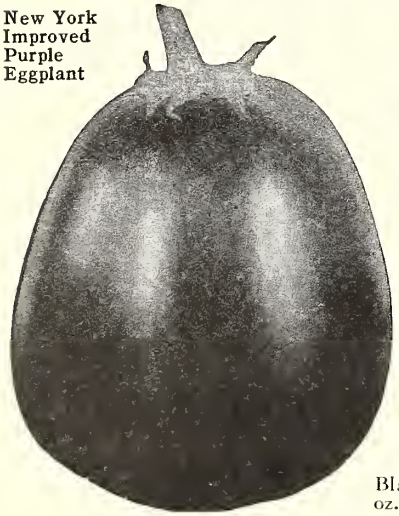
Lockie's Perfection, Telegraph, Tender and True. Each, pkt. of 12 seeds, 25 cts.; $2 per 100 seeds.

EGGPLANT

Sow seeds in a box or pot in greenhouse or hotbed, in February and March. When about 3 inches high, plant singly into small pots and set plants out in the open ground about May 20, 2 feet apart in row and 3 feet between rows. Eggplants are very tender and will not stand frost.

NEW YORK IMPROVED PURPLE. Large, round, deep purple fruit, often weighing from ten to twelve pounds, of excellent quality, and free from spines. The plants grow vigorously and produce from four to five well-developed fruits. Pkt. 10 cts.; ½oz. 40 cts.; oz. 75 cts.

Improved Black Beauty. Fully as large as New York Improved Purple, and about a week earlier. Fruit deep black-purple, of finest quality. Pkt. 10 cts.; ½oz. 40 cts.; oz. 75 cts.



New York Improved Purple Eggplant

ENDIVE

Endive is one of the best and most wholesome salads for fall and winter use. Sow in shallow drills in April for early use or in June or July for late use. When the plants are 2 to 3 inches high, thin them out or transplant into moderately rich and rather light soil, 1 foot apart. When nearly full grown, and before they are fit for the table, they must be blanched by tying the leaves loosely together, which must be done when quite dry, or by covering with boards or flower pots.

One ounce will sow 100 feet of row

WHITE CURLED. Very tender and white. Blanches easily. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 75 cts.

ENDIVE, continued

BROAD-LEAVED BATAVIAN. Long, broad leaves; very fine for salads. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 75 cts.

GIANT FRINGED. A vigorous grower, with handsome, broad fringed leaves and a white heart. Pkt. 10c.; oz. 30c.; ¼lb. $1.

GREEN CURLED. The hardiest of all, with curled dark green leaves; tender and crisp. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 75 cts.

KALE or BORECOLE

The Kales are highly esteemed for winter greens. Extremely hardy, and are improved in flavor after frost. For fall use, sow in May, transplant in June, and treat the same as cabbages. For early spring use, sow in August and September and protect during winter.

One ounce will sow about 100 feet of drill

Dwarf Green Curled Scotch. The leaves are bright green, tender, and beautifully curled. One of the best grown. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 60 cts.; lb. $1.75.

TALL GREEN CURLED SCOTCH. Unusually hardy, growing 2 feet or more in height, with recurved, spreading, deep green, curly leaves. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 60 cts.; lb. $1.75.

KOHLRABI

This is a delicious vegetable and should be grown in every garden. The edible portion is the large bulb which forms on a stem above the soil. Boiled, sliced, and served with a cream sauce, it makes a delicious dish. The bulbs should be used when the size of a small apple, as they become woody when very old. For this reason, successive sowings should be made until the middle of August. For very early crop, sow in hotbed and transplant outdoors last of April. For regular crop, sow outdoors about April 15, in drills 2 feet apart and cover seed with ½inch of soil. When well up, thin out to 8 inches apart in a row.

One ounce of seed will sow 100 feet of drill

EARLY WHITE VIENNA. The best for early and main crop; flesh white. Pkt. 10 cts.; oz. 30 cts.; ¼lb. $1.

EARLY PURPLE VIENNA. Bluish purple; flesh white. Pkt. 10 cts.; oz. 30 cts.; ¼lb. $1.

LETTUCE

Seed for the first outdoor crop is usually sown in hotbeds in February or March, and the seedlings transplanted to the garden in April, 8 to 12 inches apart, in rows 1½ feet apart. For a succession until frost, sow in drills in the open ground at intervals of two or three weeks, and thin the plants to stand 8 inches apart. For plants to force in hotbeds from November until spring, sow seed in hotbeds in the fall.

One ounce of seed should produce about 2,500 plants



Big Boston Lettuce

CABBAGE or HEADING VARIETIES

Allheart. One of the best for spring or summer use; large heads, decided buttery flavor. Pkt. 10 cts.; oz. 35 cts.; ¼lb. $1.

Big Boston. This is a fine forcing variety for coldframes during the winter months, as it produces heads of very large size, and succeeds better in a cooler temperature than most forcing strains. It heads well also in the open ground during cool weather of spring and fall. Pkt. 10 cts.; oz. 30 cts.; ¼lb. 85 cts.

Big Boston (Improved). By far the most heat-resisting sort of this type. The plants are of a uniformly darker shade of green, grow more compactly and stand several days longer before running to seed than other strains of Big Boston. Pkt. 10 cts.; oz. 35 cts.; ¼lb. $1.

BLACK-SEEDED TENNISBALL. Very desirable for hotbed culture in winter and for withstanding heat in summer. A light green cabbage sort, forming hard heads. Pkt. 10 cts.; oz. 30 cts.; ¼lb. 85 cts.

CALIFORNIA CREAM BUTTER (Royal Summer Cabbage). One of the best summer varieties; forms fine, large, solid heads of excellent quality. Pkt. 10 cts.; oz. 30 cts.; ¼lb. 85 cts.

DEACON. Firm heads, nearly as large and almost as solid as a cabbage. Rich buttery flavor. Pkt. 10 cts.; oz. 30 cts.; ¼lb. 85 cts.



Cos or Romaine Lettuce

Early Dutch Butter, Spotted. Producing fine large heads of excellent quality, and one of the best forcing and market sorts; also stands the heat well in summer. Pkt. 10c.; oz. 35c.; ¼lb. $1.

ICEBERG. A beautiful Lettuce, with large, curly leaves of a bright light green, with a very slight reddish tinge at the edges. Handsome heads, unusually solid because of the natural tendency of the large, strong leaves to turn in, which also causes thorough blanching. Crisp, tender, and fine flavor. Pkt. 10 cts.; oz. 35 cts.; ¼lb. $1.

May King. This handsome, extremely early, compact-heading Lettuce is very fine for forcing use. Heads medium-sized and of excellent quality. Outer leaves light yellowish green, tinged reddish brown when mature. Hearts blanch to golden yellow, tender and buttery. Pkt. 10 cts.; oz. 40 cts.; ¼lb. $1.25.

MIGNONETTE. Small, compact heads; leaves slightly curled; edges tinted brown. Pkt. 10 cts.; oz. 35 cts.; ¼lb. $1.

New York or Wonderful. The color is dark green, with white interior; the heads are large, with curled outer leaves. Popular kind for summer. Pkt. 10 cts.; oz. 40 cts.; ¼lb. $1.25.

Salamander. A variety which stands the hot weather remarkably well. Salamander forms a large, compact, light green plant, the broad, thick, somewhat crumpled and closely overlapping leaves blanching the inner ones to perfection. Pkt. 10 cts.; oz. 30 cts.; ¼lb. 85 cts.

UNRIVALED. A popular sort for coldframes and for early spring and fall planting. Resembles Big Boston, but does not turn red. Pkt. 10 cts.; oz. 35 cts.; ¼lb. $1.

WAYAHEAD. The earliest and surest heading of all early Lettuce. Outer leaves are light green; heart is a rich buttery yellow. Pkt. 10 cts.; oz. 30 cts.; ¼lb. 85 cts.

COS or ROMAINE LETTUCE

A distinct, upright-growing type of Lettuce. The long, narrow leaves need to be tied rather loosely together several days before they are cut for use.

TRIANON COS or ROMAINE. A self-blanching Cos lettuce, very crisp and tender, and of excellent flavor. Pkt. 10 cts.; oz. 30 cts.; ¼lb. 85 cts.

KINGSHOLM COS. Forms long, firm, upright plants with narrow leaves which are crisp and refreshing, withstanding the summer heat. Light green in color and a very reliable variety for late use. Pkt. 10 cts.; oz. 30 cts.; ¼lb. 85 cts.

CURLED or CUTTING LETTUCE

This type does not form compact heads, but large masses of curly, crisp leaves, which are practically everbearing, as they keep growing after picking.

GRAND RAPIDS. Produces crisp, tender green leaves, richly curled. Superb for forcing or outdoor culture. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 75 cts.

BLACK-SEEDED SIMPSON. One of the best of the loose-leaved varieties. Withstands heat and drought. Finely fringed leaves. Pkt. 10 cts.; oz. 30 cts.; ¼lb. 85 cts.

LEEK

A splendid vegetable for flavoring soups and stews; used in the same manner as onions, but of a milder and more agreeable flavor. Leek is hardy and easily cultivated. Sow very early in the spring, in drills 6 inches apart; thin out to 2 inches apart in the row. When about 7 inches high, transplant them in rows 1 foot apart, and 6 inches in the rows, as deep as possible, but do not cover the young center leaves. Draw earth up to them as they grow.

GIANT CARENTAN. The favorite market variety. Large thick stem; mild flavor. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. 85 cts.

Prizetaker. (Imported seed.) Of immense size, thick, pure white stems, and green, narrow, erect leaves; mild and very tender. Pkt. 15 cts.; ½oz. 30 cts.; oz. 50 cts.

SELECTED MUSSELBURGH. (Imported seed.) A splendid selection of this popular variety; grows to large size, and is recommended for exhibition. Pkt. 15 cts.; ½oz. 30 cts.; oz. 50 cts.



Prizetaker Leek

MUSKMELON

Melons do best in a light or sandy soil, but with a little labor in preparing hills they can be grown in almost any warm, sunny location. Make hills 5 feet apart each way, putting two or three shovelfuls of well-rotted manure in each hill; pack it down tight, cover it with 3 inches of fine loose soil, making hills 1 foot in diameter. When the weather is quite warm, scatter ten to fifteen seeds thinly over the surface of the freshly made hills and cover with ½inch of fine soil. When the young plants are well established, thin out to the best three plants.

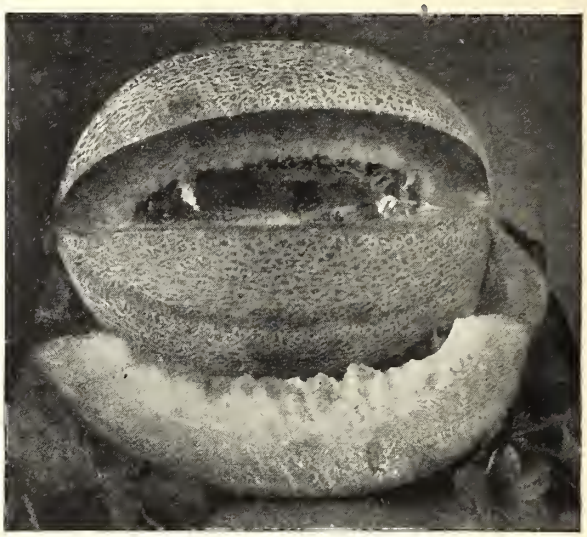
One ounce will plant about 50 hills; 2 to 3 pounds for an acre

Emerald Gem. A splendid early variety, coming in just ahead of Rocky Ford; flesh very thick, of a deep, rich salmon color. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 60 cts.

Hale's Best. Slightly larger and two weeks earlier than the standard Rocky Ford. It is pink-fleshed clear to the rind, which is well ribbed and netted. The flesh is very thick, with only a small seed-cavity, and of excellent quality, being sweet and musky. A very prolific melon and a valuable strain for both the commercial and also the home garden. Pkt. 10 cts.; oz. 30 cts.; ¼lb. 90 cts.

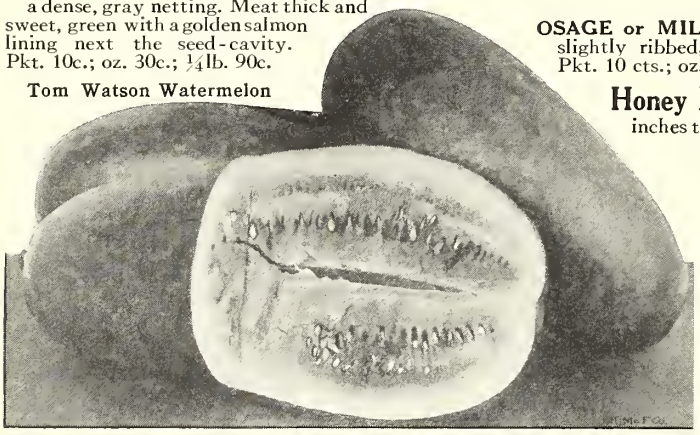
HEARTS OF GOLD. An orange-fleshed melon of medium size. Fine for the home garden as a midseason sort, also ideal as a shipping melon, as the rind, although thin, is very firm and is covered with dense, fine netting. Vines are vigorous and resist blight well. Fruits are uniform, medium in size, nearly round. The flesh is thick, firm, highly colored and delicious. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 60 cts.

Delicious Gold-Lined. Small, spherical fruits, uniform in shape and size, smooth, showing no ribs and covered with a dense, gray netting. Meat thick and sweet, green with a golden salmon lining next the seed-cavity. Pkt. 10c.; oz. 30c.; ¼lb. 90c.



Delicious Gold-Lined Muskmelon

Tom Watson Watermelon



OSAGE or MILLER'S CREAM. Fruit medium size to large, nearly round, slightly ribbed, dark green, almost smooth. Flesh very thick, deep salmon. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 60 cts.

Honey Dew. The fruit weighs eight to ten pounds each, and the rind is perfectly smooth and cream-colored. Flesh from 1½ to 2 inches thick, light green, very sweet and juicy. Pkt. 10c.; oz. 30c.; ¼lb. 75c.

EARLY JENNY LIND. The earliest of all varieties, and also the smallest, but possessing a rich and delightful flavor and fragrance. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 60 cts.

EXTRA-EARLY HACKENSACK. Early; almost globular fruit, which is heavily ribbed, netted; thick light green flesh of fine flavor. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 60 cts.

ROCKY FORD or GOLDEN GEM. Oval-shaped; thick-meated; flesh light green in color, and uniformly fine; luscious flavor; skin ribbed and thickly netted. Pkt. 10c.; oz. 25c.; ¼lb. 60c.

ENGLISH FORCING MELONS

These can be grown successfully in hotbeds. Sow seeds in pots in March and transplant to hotbed when three leaves have developed. Fruits ripen in June and July. **Blenheim Orange, Royal Sovereign, Superlative, Windsor Castle.** Each, pkt. 25 cts.

WATERMELON

One ounce will plant about 30 hills; 4 to 5 pounds for an acre

Cultivate same as muskmelons, except that the hills should be 8 feet apart.

Tom Watson. A large, long melon with dark green rind and light crimson flesh which is of excellent quality. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.

FORDHOOK EARLY. Extra early; large, nearly round; skin tough; flesh red and very sweet. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.

ALABAMA SWEET. A large and attractive melon, oblong in shape. Color dark green; flesh remarkably firm and of luscious flavor. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.

COLE'S EARLY. A most delicious and productive variety for the family garden, succeeding in northern states, where melons were never matured before. The flesh is of a beautiful bright red color, crisp and extremely delicate in texture. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.

Dixie. The fruits are large, oblong in form, from 20 inches to 2 feet in length; skin dark green with stripes of lighter shade; bright red flesh of excellent quality. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.

HALBERT HONEY. A variety somewhat similar to Kleckley Sweets—of much darker color. The vines are very prolific and usually bear four and five very uniform melons—quality the highest. Pkt. 10 cts.; oz. 15 cts., ¼lb. 45 cts.

COLORADO PRESERVING CITRON. Excellent for making preserves. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.

MUSHROOM SPAWN

WATERER'S PURE "SPORE" CULTURE SPAWN. Made in bottles that have been sterilized, as well as all material used. The pure Spawn is wrapped in paper with full directions how to grow Mushrooms, packed in cartons. One carton equals five bricks of ordinary spawn. Prices: One carton, $1; 12 cartons, $10.75.

PURE CULTURE SPAWN. The spawn which has given universal satisfaction. Per brick, 35 cts.; 5 bricks, $1.50; 10 bricks, $2.75; 25 bricks, $6.50; 50 bricks, $12.50.

MUSHROOM or HOTBED THERMOMETERS. Heavy Brass Point style, $2.75 each.



Mushrooms

MUSTARD

One ounce will sow about 75 feet of drill

A small, pungent salad used with cress; the seed is also used for flavoring pickles, pepper sauce, etc. For salads sow thickly in shallow drills 6 inches apart, or in frames or boxes during the winter. Successive sowings may be made every week or two.

WHITE. Leaves used for salads or greens when young. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 50 cts.

CHINESE. Leaves about twice the size of White, and of sweetly pungent flavor. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 40 cts.

CHOICE ONION SEED AND SETS

Sow in rich soil, in drills 1 foot apart, as soon as the ground can be worked in the spring; thin out to 2 to 3 inches apart in the row, carefully keeping down the weeds. The finest Onions are produced by sowing the seed in a hotbed in February or March, and transplanting the seedlings to the open ground, 3 to 4 inches apart, in April. For sets, sow the seeds as early as possible in the spring, very thickly, in drills; as soon as the tops die off in summer, remove them to a dry, airy place and early in the following spring replant by placing the sets in shallow drills, 1 foot apart, and 2 inches apart in the drills.

One ounce will sow 100 feet of drill; 5 to 6 pounds for an acre



Southport White Globe Onions

Ailsa Craig. The largest and heaviest cropping Onion, and a splendid keeper. Unrivaled in perfection of form, size, and weight; mild in flavor; outside skin of light straw color. It is a favorite variety for exhibition purposes. Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.

AILSA CRAIG. (English-grown.) Extra-selected stock. Pkt. 15 cts.; ½oz. 35 cts.; oz. 60 cts.; ¼lb. $2.25.

Prizetaker. Grows uniform in shape and is of immense size, measuring from 12 to 16 inches in circumference, while under special cultivation specimen bulbs have been raised to weigh two pounds each. Its pure white flesh is fine-grained, mild, and delicate in flavor. Pkt. 10c.; ½oz. 20c.; oz. 35c.; ¼lb. $1.

Southport Yellow Globe. It is entirely distinct from the Danvers type, being somewhat more pointed at each end. The outer skin is pale yellow; flesh white and mild in flavor. Quite productive, very hardy, and keeps a long time in good condition after pulling. Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.



Prizetaker Onion

Yellow Globe Danvers. Of more globular shape than the preceding, producing well-rounded bulbs about 2½ inches in diameter; skin light golden yellow; flesh white, crisp and mild in flavor. One of the best known Onions, and one of the best for general crop. An excellent keeper. Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.

YELLOW STRASBURG. Similar to the Yellow Danvers, but bulbs rather more flattened and skin darker. The Onions ripen early, with pure white flesh of mild flavor. It is one of the best to grow for sets, and is a splendid keeper. Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.

AUSTRALIAN BROWN. Early and very hardy variety. The skin is thick and the color is a rich brown; flesh white and of a mild flavor. Is especially noted as a long keeper, lasting well into spring, much longer than other varieties. Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.

Southport White Globe. An enormous yielder and superb keeper. Perfect globe-shaped, very large; clear white skin. Considered one of the handsomest varieties grown. Pkt. 10 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.25.

WHITE PORTUGAL or SILVERSKIN. Largely grown for sets. Bulbs large, with silvery white skin and white flesh; mild-flavored, and excellent for family use and for pickling. Pkt. 10 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.25.

WHITE BARLETTA. An excellent pickling variety. Pkt. 15 cts.; ½oz. 30 cts.; oz. 50 cts.; ¼lb. $1.50.

RED WETHERSFIELD. Best known variety among the red flat Onions. A heavy yielder, growing to a large size; shape flat; solid; glossy red skin; flesh white with pink tinge; very good keeper. Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.

SOUTHPORT RED GLOBE. This excellent medium-early or main-crop Onion produces medium to large-sized, perfect globe-shaped bulbs of deep purplish red color. Flesh is white, tinged with light purple, fairly mild, fine-grained, and tender. One of the best keepers. Pkt. 10 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.25.

ONION SETS

Plant in rows 1 foot apart, with sets 2 inches apart in the row.

One pound will plant about 50 feet of row	Lb.	10 lbs.
White	$0 30	$2 50
Yellow	25	2 00
Red	25	2 00



White Onion Sets

OKRA or GUMBO



Okra

This vegetable is extensively grown for its green pods, which are used in soups, stews, etc. Sow the seed thickly in rich ground about the middle of May, or when the ground has become warm, in drills 3 feet apart, 1 inch deep; thin to 10 inches apart in drills.

IMPROVED DWARF GREEN. Very productive; bears large pods which remain tender a long time. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.

WHITE VELVET. Pods large, very light green, smooth. An abundant bearer of superior quality. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.

PERKINS' LONG-POD. Produces pods 4 to 5 inches long in great abundance. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.

LAWN GRASS SEED

If you desire a perfect lawn, use our "Special" Evergreen Lawn Grass Mixture. See page 3 for same.

ALL PRICES SUBJECT TO MARKET CHANGES

PARSLEY

Because of its pleasant flavor, the leaves of Parsley are used extensively as a garnish with other vegetables, either in cooked dishes or salads. Parsley seed germinates very slowly. For outdoor growing, soak the seed in warm water for a few hours. Sow thickly, in rows 1 foot apart and ½inch deep, pressing down well after sowing. When well up, thin to 3 to 4 inches apart.

Waterer's Triple Curled. Dwarf; dark green; densely curled. The finest Parsley for garnishing. Pkt. 10 cts.; oz. 35 cts.; ¼lb. $1.

CHAMPION MOSS CURLED. The leaves are not so heavy in appearance as our Triple Curled, but are also very finely curled, and excellent for garnishing. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 60 cts.

TURNIP-ROOTED or HAMBURG. The fleshy root is used for flavoring soups, stews, etc. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.

PARSNIP

Sow as early in the spring as the weather will admit in drills 1½ feet apart and ½inch deep in a rich deep soil; thin out 4 inches apart in the rows. In the late fall, before the ground freezes, remove enough roots for winter use to the root cellar and pack in sand. The remaining Parsnips can be left in the ground through the winter for use in the early spring.

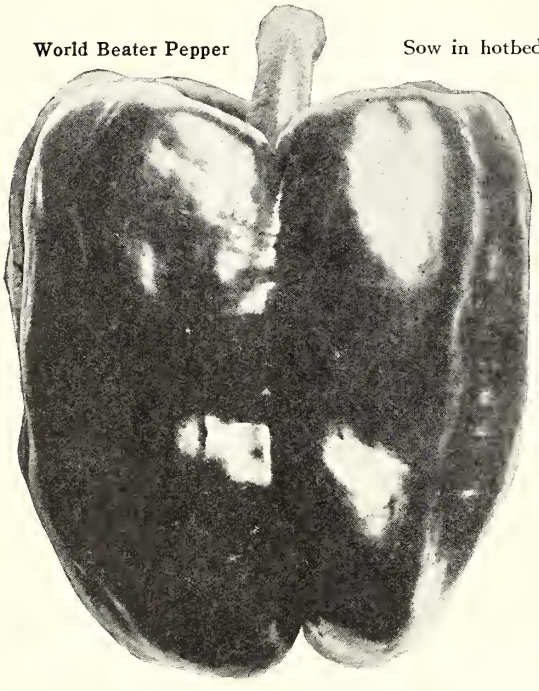
One ounce will sow 100 feet of drill; 5 to 6 pounds for an acre

Large Sugar or Hollow-Crown. The roots are smooth, uniform in shape, tapering evenly from a heavy shoulder down to a small root, tender and of best quality. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 45 cts.; lb. $1.25.



Large Sugar or Hollow-Crown Parsnips

PEPPER



World Beater Pepper

Sow in hotbeds in March or April, and, when the season is favorable, transplant in rows 2 feet apart and 1½ feet apart in row, in rich, good ground.

World Beater. Said to be a cross between Ruby King and Chinese Giant. The shape is like Ruby King, only the blossom end is broader, and the size nearly equal to Chinese Giant. The plant is a strong, vigorous grower and very prolific. The fruit is a beautiful scarlet in color and exceedingly mild. The flesh is thick and firm, making this variety an excellent shipper. Pkt. 10 cts.; ½oz. 30 cts.; oz. 50 cts.

PIMIENTO. A very popular variety used extensively for salads. It is thick-meated, of mild flavor, brilliant red in flesh, and very productive. Pkt. 10 cts.; ½oz. 35 cts.; oz. 60 cts.

NEAPOLITAN. The earliest of all large mild red Peppers; skin and flesh bright red. Pkt. 10 cts.; ½oz. 40 cts.; oz. 75 cts.

Large Bell or Bullnose. Large, early variety; mild flavor; thick and fleshy. Pkt. 10 cts.; ½oz. 30 cts.; oz. 50 cts.

Chinese Giant. The largest mild red Pepper. The flesh is quite thick, very mild and remarkably sweet. Pkt. 10 cts.; ½oz. 45 cts.; oz. 80 cts.

RUBY GIANT. A variety which is of a very desirable size and shape for stuffing. Pkt 10 cts.; ½oz. 30 cts.; oz. 50 cts.

RUBY KING. A popular, large-fruiting variety; very thick flesh of fine, mild flavor. Pkt. 10 cts.; ½oz. 30 cts.; oz. 50 cts.

LONG RED CAYENNE. The pods are long and slender, bright red, and very pungent. Pkt. 10 cts.; ½oz. 30 cts.; oz. 50 cts.

RED CHILI. Red, conical pods, about 2 inches long; very hot and prolific. Pkt. 10 cts.; ½oz. 30 cts.; oz. 50 cts.

PUMPKIN

Sow in good soil in May, when the ground has become warm, in hills 8 or 10 feet apart each way, or in fields of corn about every fourth hill.

Sugar or New England Pie. A fine pie Pumpkin. Small, but very sweet; fine-grained, and of the best quality. The skin is deep orange, and flesh rich yellow. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.75.

Winter Luxury. Golden yellow, finely netted; shape round; flesh very rich. Unequaled as a winter keeper, and one of the best for pies. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.75.

TENNESSEE SWEET POTATO. Shape similar to a bell; skin and flesh white, very thick and sweet. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.75.

WHITE CUSHAW. A white crookneck variety of excellent quality. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.75.

LARGE CHEESE. Flat. One of the best for family use. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 40 cts.; lb. $1.25.

BIG TOM or IMPROVED LARGE FIELD. Very productive; grown largely for feeding stock. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 40 cts.; lb. $1.25.

KING OF THE MAMMOTHS. Grows to an enormous size. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 60 cts.; lb. $2.



Sugar Pumpkin



Gradus Peas

GARDEN PEAS

Peas do best in a light, rich loamy soil that has been liberally manured the previous season. Plant the smooth varieties as early as the ground can be worked. The wrinkled Peas are not as hardy as the smooth kinds, and should be planted later; they are, however, sweeter and better flavored. For a succession, plant every two weeks—until June 1—then discontinue until August 1, when the extra-early varieties may be planted for a fall crop. When grown in gardens, sow in double rows 6 to 8 inches apart, the rows 2 to 4 feet apart, the tall ones requiring brush.

INOCULATE THIS SEED WITH STIMUGERM

One pound will plant about 50 feet of drill

EARLY VARIETIES

EARLY EIGHT WEEKS. As the name indicates, this is one of the very earliest sorts. The vine is very dwarf, growing only 12 to 15 inches in height and is very uniform. The pods, while not large, are well filled with Peas of good quality. This is an exceptionally fine variety for the small kitchen-garden. Lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. $2.

HUNDREDFOLD. It is the best-flavored and the largest-podded dwarf-growing sort in existence. It is ready about three days after the earliest sorts, and bears an enormous crop of handsome, intensely dark green, fairly broad and pointed pods, 4 inches long, containing about eight large, dark green Peas of excellent quality. The vines are 16 inches high, sturdy, and resist heat well. Lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. $2.

***Gradus or Prosperity.** Undoubtedly one of the most valuable sorts introduced up to the present time. The vine has heavy stems, with large, light green leaves and grows about 3 feet high. It produces uniformly large pods, measuring from 4 to 4½ inches in length, nearly round and well filled with very large, handsome Peas of the finest flavor; very early, ready for picking after Maud S. is through, and leaves little to be desired. ½lb. 25 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

THOMAS LAXTON. A strong grower and as productive as the well-known Gradus. The pods are of a dark green color, filled with large Peas of superb flavor. 2½ feet. Lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

NOTT'S EXCELSIOR. Fine, extra-early, dwarf, wrinkled Pea. Foliage dark green and rather heavy, suggesting health and vigor. On good soil grows about 1 foot high. Pods 3 inches long, filled with six large sweet Peas, and all are ready to pick at once. A great yielder. Lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

***Maud S.** One of the best of the early sorts. Vines are vigorous and produce an abundance of pods, well filled with Peas of superior quality. 2 feet. ½lb. 20 cts.; lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. $1.50.

Delicious Peas may be had in the fall if planted during August in the latitude of Philadelphia. Should the ground be dry, soak it thoroughly before planting to aid germination.

EARLIEST OF ALL or ALASKA. A valuable, early round Pea, producing a large number of dark green pods, well filled with delicious Peas of excellent flavor. 2 feet. Lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. $1.50.

LAXTONIAN. "The Dwarf Gradus." One of the earliest and finest dwarf Peas. The vines are well covered with large even sized pods; each contains 8 or 9 Peas of the richest flavor. 1½ feet. Lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. $2.

LAXTON'S SUPERB. A new, early, semi-wrinkled dwarf Pea, growing about 2 to 2½ feet high and carrying an immense crop of large pods, each containing nine or ten Peas of delicious flavor. It may be sown as early in the season as the smooth sorts. Lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. $2.

***LITTLE MARVEL.** A most desirable dwarf early variety. In season this new sort ripens fully as early as American Wonder or Nott's Excelsior, while the pods are larger and the vines produce a much heavier crop. 15 inches. ½lb. 25 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

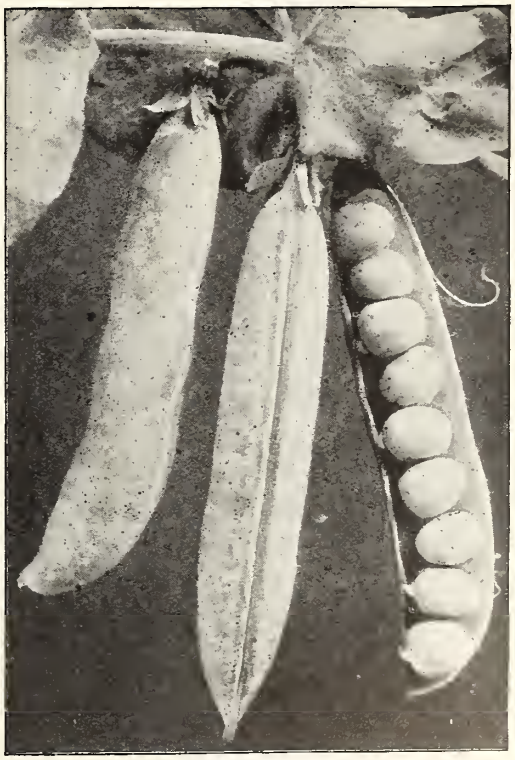
SUTTON'S EXCELSIOR. A dwarf early Pea, growing about 1½ feet high. Pods large and well filled with deliciously flavored Peas. Ready for picking with Nott's Excelsior. Lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

SENATOR. Peas fit to pick in about sixty-one days. Pods about 4 inches long, curved, of rich dark green color, well filled with medium size, green, wrinkled Peas, which are very sweet and tender. 3 feet. Lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

EUREKA EXTRA EARLY. 2 feet. Lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. $1.50.

DANDY EXTRA EARLY. 2 feet. Lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. $1.50.

FRENCH CANNER (Petit Pois or Small French Pea). Very prolific, with long, slim pods, well filled with extremely small Peas, which should be used when very young. 3 feet. Lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.



Maud S. Peas

Only varieties of Peas marked * can be supplied in ½-lb. packages. Packets of all Peas, 10 cts. each, unless noted.

SECOND-EARLY PEAS

***ABUNDANCE.** Long, round, well-filled pods; six to eight large wrinkled Peas of fine quality. 1½ feet. ½lb. 25 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. $1.75.

LATE or MAIN-CROP PEAS

Alderman. A large-podded, late, wrinkled variety of vigorous growth; very productive; pods 4 to 5 inches long, well filled with large Peas of excellent flavor. 3½ to 4 feet. Lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

IMPROVED STRATAGEM. The vines are strong, vigorous and covered with immense pods 5 inches in length and containing as high as ten large, richly flavored wrinkled Peas. Lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

TELEPHONE. A tall and very robust grower, bearing pods of unusual length, closely filled with Peas of large size and of most delicious flavor. 4 feet. Lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

DUKE OF ALBANY. One of the largest of all Peas; immense pods; enormously productive. 4 feet. Lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

***Dwarf Champion.** A dwarf form of the popular Champion of England, with large pods; very productive; finest quality. 2½ feet. ½lb. 25 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

Quite Content. This is the largest-podded Pea in existence. It is exceedingly prolific, and the pods, 5 to 6½ inches in length, hang mostly in pairs, and are closely filled with large sweet Peas. One of the very best of the main-crop varieties. 5 feet. ½lb. 30 cts.; lb. 50 cts.; 2 lbs. 85 cts.

CARTER'S DAIRY or DWARF TELEPHONE. Pods large, well filled, often containing ten Peas of the largest size. 2 feet. Lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

CHAMPION OF ENGLAND. A well-known standard variety; fine flavored and an abundant cropper. 5 feet. Lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

***DWARF DEFIANCE** (Potlach). A splend'd large-podded variety of the Stratagem type Pods 5 inches long, containing eight to ten very large, medium light green Peas of high quality. A superb, productive main-crop sort. 2 feet. ½lb. 25 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

SUGAR or EDIBLE-PODDED PEAS

MELTING SUGAR or EDIBLE POD. Lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

DWARF GRAY-SEEDED SUGAR. 2½ feet. Lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. $1.75.

Packets of all varieties of Peas, 10 cts. each, unless noted.



Dwarf Defiance Peas

CHOICE SEED POTATOES

By planting our northern-grown Seed Potatoes you are assured of early maturity, increased yield, and a vigorous growth. Plant in early spring, in rows 3 feet apart, 15 to 18 inches apart in row. Cultivate constantly and thoroughly, finally ridging the loose soil against the rows. A second or late spring planting is often made. Store in frostproof cellar in winter. Our Potatoes are all specially raised for seed purposes, true to name, and are exceptionally fine in quality.

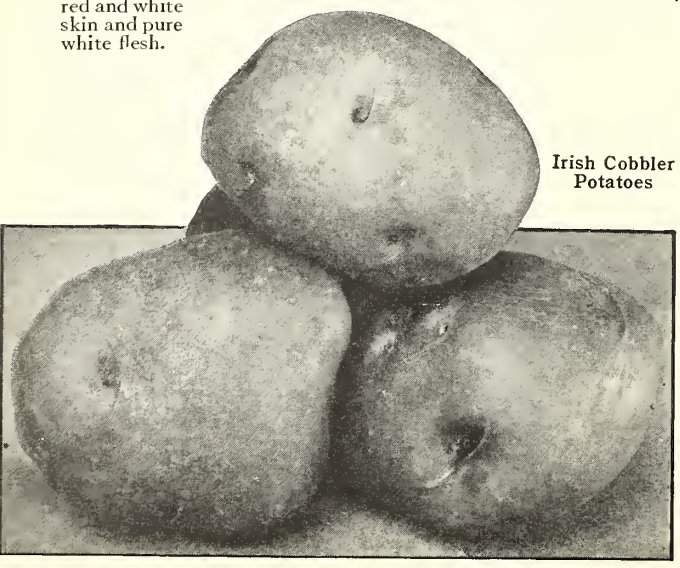
One peck will plant 100 hills; 10 to 12 bushels for an acre

Prices for Potatoes on application

IRISH COBBLER. The most popular and largely planted early Potato. Round, pure white, extra early and of the best quality. Grows uniformly large, there being fewer small Potatoes than in any other early kind. There are a great many Potatoes being sold for Irish Cobbler that are not that variety at all, or are badly mixed with other kinds. We have some very fine seed of the genuine Irish Cobbler.

EARLY ROSE. The popular standard early variety; uniform in size and very productive.

BEAUTY OF HEBRON. A popular early sort and one of the best; red and white skin and pure white flesh.



Irish Cobbler Potatoes

RUSSET. It is an exceptionally heavy yielder, of the very best table quality, and with smooth, velvety, russet skin and shallow eyes. No Potato can surpass it in uniform and handsome appearance. It is very fine-grained, cooks as white as flour, and is of splendid flavor; an excellent keeper and retains its good eating qualities until late in the spring. Its great productiveness, handsome color, and resistance to diseases make it a very popular Potato.

STATE OF MAINE. A large, oval, and slightly flattened pure white variety; medium early; very productive; good flavor; cooks dry; a good keeper. One of the very best varieties for fall and winter use.

GOLD COIN. A splendid main-crop variety of remarkable productiveness and finest table quality.

JERSEY RED SKIN. Plantings are made of this variety from July until August. They are good keepers and are most excellent for table purposes, especially in the late winter and early spring. It is a most valuable addition to the Potato crop.

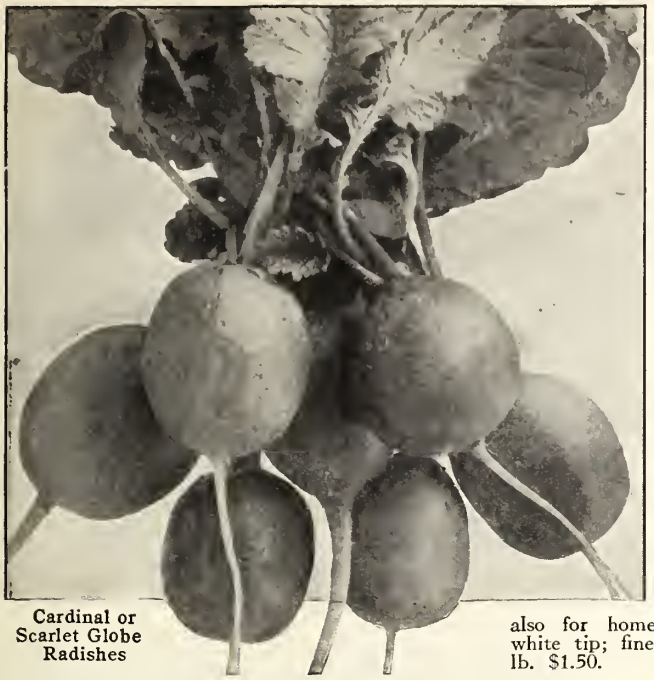
There is a wonderful difference between the crops obtained from high-grade Seed Potatoes free from disease, and from common Potatoes used for seed. The increase from the use of good seed is often over 100 bushels per acre. The cost for seed may be $8 to $10 per acre more, but that is nothing compared with the greater value of the crop.

RHUBARB

Rhubarb succeeds best in deep, rich loam. The richer its condition, and the deeper it is stirred, the better, as it is scarcely possible to cultivate too deeply or to manure too highly. It is propagated by seeds, or by division of the roots—the latter being the usual method. Sow the seed in drills 1½ feet apart, and thin out the plants to 6 inches apart in the drills. When the plants are one year old, transplant into beds, setting the plants 4 feet apart each way. Do not cut until the second year and give a liberal dressing of manure every fall.

EXCELSIOR or VICTORIA IMPROVED. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 60 cts.

RHUBARB ROOTS. $1.50 per doz.; $10 per 100.



Cardinal or Scarlet Globe Radishes

RADISHES

Sow as soon as the ground is dry in the spring, in rows 8 to 12 inches apart, and ½inch deep, every week to ten days for a succession up to the middle of June, after which they are but little used unless a cool northern spot can be had, where the ground is shaded during a part of the day. They should be sown in light, rich soil, as a crisp Radish cannot be produced in heavy soils. Sow also in early fall for late crops and winter use. Radishes should be eaten when quite small; it is a mistake to let them grow too long and too large. This applies particularly to the French Breakfast and small turnip-shaped sorts.

One ounce will sow 100 feet of drill; 10 pounds to the acre

Cardinal or Scarlet Globe. An excellent variety for forcing or outdoor culture; brilliant scarlet; fine globe-shape, with small top; very crisp and tender. Early and of excellent quality. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 60 cts.; lb. $1.75.

NON PLUS ULTRA or FIREBALL. One of the earliest and best of the early red turnip varieties. Very short-leaved; small top; skin rich scarlet; flesh white and of good quality. It grows rapidly and is well adapted to forcing and also suitable for growing outdoors. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 60 cts.; lb. $1.75.

EARLY SCARLET TURNIP. A valuable variety for forcing or outdoor culture. Is a small, turnip-shaped variety, and in color entirely crimson. Quick growing, very early. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.50.

Scarlet Turnip White-Tipped. A favorite with market-gardeners for outdoor planting, also for home-garden; matures very early; turnip-shaped; scarlet with distinct white tip; fine quality; crisp and tender. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.50.

CRIMSON GIANT. For forcing or outdoor planting. Although twice the size of other forcing sorts, this does not get pithy or hollow. The skin is crimson; flesh is white, tender, crisp, and sweet-flavored. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.50.

PHILADELPHIA WHITE BOX. Popular in the vicinity of Philadelphia, and used more than any other sort. It matures early; root round, slightly flattened; white; top medium. It is grown both under sash and outdoors. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.50.

EARLIEST WHITE or WHITE ROCKET. Earliest of all Radishes. Matures in eighteen to twenty days after sowing. Oval shape; small root and top; flesh white, tender, and crisp. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.50.

Long White Icicle. This is the most beautiful of the early long white varieties; of a pearly white color; fine for either forcing or outdoor culture; of slender form. One of the best for private gardens; tender, crisp, and of delicate flavor. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.50.

FRENCH BREAKFAST. Of quick growth; very mild and tender; of an oval form; scarlet; tipped with white. One of the best real early sorts for home-garden. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.50.

LONG SCARLET SHORT TOP. The roots grow 5 to 6 inches long, straight, smooth and of a bright rich scarlet color; the flesh is crisp and tender. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.; lb. $1.50.



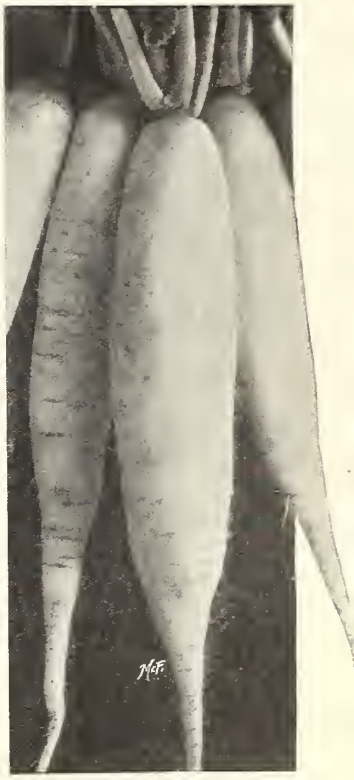
French Breakfast Radishes

IMPROVED CHARTIER. One of the most distinct varieties; scarlet at top, shaded to pink at center, and white at tip. They will keep crisp, tender, and retain a mild and pleasant flavor for a long time. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.

CHINA ROSE or SCARLET CHINA. One of the most popular fall and winter sorts. Roots about 6 inches long; skin smooth and of a bright rose color; flesh very firm and crisp. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.

WHITE CHINESE or CELESTIAL. The finest of all extra-large white winter Radishes; the flesh is always crisp, mild, and juicy. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.

LONG BLACK WINTER. One of the hardiest and best for winter use. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.



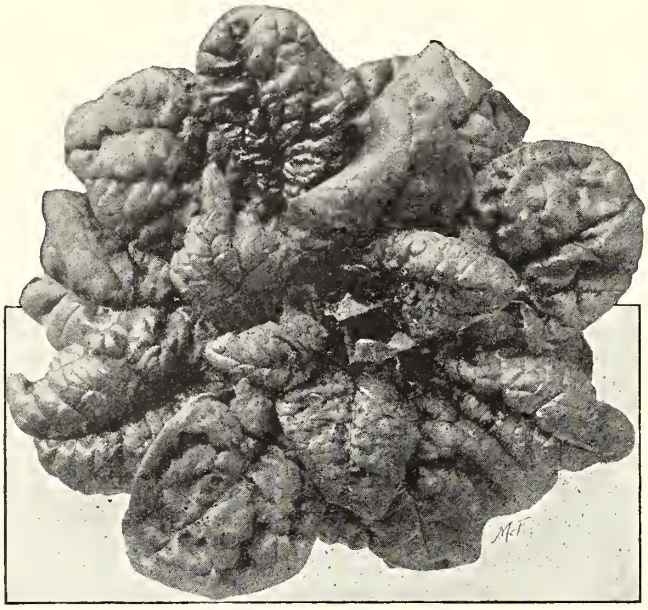
Icicle Radishes

ROUND BLACK WINTER. Similar to Long Black Winter, except in shape. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.

SORREL

Sorrel is used as greens like spinach. Mixed with spinach, it adds a delicious flavor to it. Also extensively used in French cookery. Sow in shallow drills in April. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.

REFER TO PAGES 2 AND 3 IF YOU DESIRE A PERFECT LAWN



King of Denmark Spinach

SALSIFY or VEGETABLE OYSTER

Salsify will grow in any good garden soil. Sow as early as the ground can be worked, in drills 1 foot apart, 1 inch deep, and thin out to 6 inches in the row. Use an ounce of seed to a 60-foot row; keep the plants free from weeds. A part of the crop may be left in the ground till spring, when it will be found fresh and plump.

Mammoth Sandwich Island. This is the largest and most profitable Salsify now in cultivation. Pkt. 10 cts.; oz. 30 cts.; ¼lb. 85 cts.; lb. $2.75.

SPINACH

Sow early in spring, in drills a foot apart, every two weeks for a succession; for fall use sow in August; and for winter crop, in September. Cover that which is left out over winter with straw or leaves after the weather becomes quite cold.

One ounce will sow 100 feet of drill; 10 to 12 pounds for an acre in drills

Bloomsdale Savoy-Leaved. The hardiest variety and the best for early spring and fall sowing. Curled and crimped, thick, fleshy leaves. Oz. 15 cts.; ¼lb. 25 cts.; lb. 60 cts.; 5 lbs. $2.75.

VIRGINIA BLIGHT-RESISTANT. A distinct strain of American origin selected and propagated from plants that showed a blight-resisting vigor under conditions where ordinary strains of seed could not be successfully grown. We have found it to be especially suited for the fall crop and superior to other strains for late sowing, even where blight is not prevalent. Oz. 15 cts.; ¼lb. 25 cts.; lb. 60 cts.; 5 lbs. $2.75.

KING OF DENMARK. This variety is superior to all others for spring planting, as it continues to grow and hold its fine quality for weeks after the other sorts have gone to seed. Makes a quick and low growth, producing an abundance of dark green leaves of large size and very much crumpled. It is ready for use as soon as other varieties and the leaves hold up remarkably well after being cut. The quality is excellent both for growing in the home-garden and for market. Oz. 15 cts.; ¼lb. 30 cts.; lb. 75 cts.; 5 lbs. $3.25.

Victoria. Leaves of fine texture, deepest green color, heavily crimped, thick, fleshy, good quality. The plants remain in good condition for a long time. Oz. 15 cts.; ¼lb. 25 cts.; lb. 60 cts.; 5 lbs. $2.75.

LONG SEASON. An excellent second-early variety with small plants growing close to the ground, very dark green, thick, somewhat crumpled leaves—almost as crumpled as the Savoy-leaved—and short, fleshy stems. Oz. 15 cts.; ¼lb. 25 cts.; lb. 60 cts.; 5 lbs. $2.75.

PRICKLY or FALL. An exceedingly hardy variety, adapted for fall sowing. Oz. 15 cts.; ¼lb. 25 cts.; lb. 60 cts.

NEW ZEALAND. Entirely different from the true Spinach in type in that it thrives during the hot weather in any soil, rich or poor. The tender shoots are of good quality and may be cut throughout the summer. Plant three or four seeds in a hill, 2 feet apart each way. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 40 cts.; lb. $1.25.

SQUASH

Plant after weather has become firmly settled and the ground is warm and dry, in hills 5 to 6 feet apart for bush varieties, and 6 to 8 feet apart for running varieties. Hills should be thoroughly manured. Slightly elevate the hills and place seven or eight seeds in each, finally leaving but three plants. Press the seeds down firmly before covering, and cover early planted ones 1 inch deep, and late ones 1½ inches.

One ounce will plant 25 hills; 4 to 6 pounds for an acre

EARLY VARIETIES

Early White Bush (Patty Pan). The flat, patty-pan-shaped fruits are 6 to 8 inches in diameter and ready for use very early in the summer. They should be eaten when young and tender. Of true bush form and very productive. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 75 cts.

MAMMOTH WHITE BUSH. Of round, scalloped form, with an ivory-white skin. This variety has an abundance of meat of very fine flavor. Very prolific, bearing until killed by frost. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 60 cts.; lb. $2.

MAMMOTH YELLOW BUSH or GOLDEN CUSTARD. This is identical with the Mammoth White Bush, but the fruits are larger and have a rich, golden orange skin, as well as rich, creamy yellow flesh. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 60 cts.; lb. $2.

MAMMOTH BUSH SUMMER CROOKNECK. Early and of extra-fine quality; orange-yellow in color. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 60 cts.; lb. $2.

COCOZELLE or ITALIAN VEGETABLE MARROW. The fruits are oblong, 1 foot or more in length, and 4 to 5 inches in diameter; skin dark green, marbled with yellow and with lighter green stripes. The flesh is fine-grained, tender, and of excellent flavor. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 60 cts.

VEGETABLE MARROW (Bush). A delicious English sort. Skin creamy white; flesh white, soft, and of rich flavor. Pkt. 10 cts.; oz. 25 cts.; ¼lb. $1.

VEGETABLE MARROW (Trailing). The English Squash. Cream color, with white flesh. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 75 cts.

Our list of Garden Tools, Fertilizers and Insecticides is very complete. Pages 118 to 134
Lawn Mowers for every lawn. Pages 116 and 117

FALL AND WINTER VARIETIES

Boston Marrow. An excellent Squash, and one of the first to ripen. Fruit is of good size, deep orange-yellow, and with thick yellow flesh. Largely used for canning and making pies, for which it is very fine. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.

DELICIOUS. A fall and winter Squash of medium size, top-shape in form, and dark green; flesh orange, very dry and delicious. Usually weighs between five and ten pounds. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 60 cts.; lb. $2.

Hubbard. The standard winter Squash. It is of good size, often weighing 9 to 15 pounds. Flesh fine-grained, sweet, of excellent flavor, rich orange-yellow. Has a very hard shell and will keep until spring. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 60 cts.; lb. $2.

GOLDEN HUBBARD. A deep orange-yellow; fine-grained and sweet. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 60 cts.; lb. $2.



Hubbard Squash



Marglobe Tomato

TOMATOES

Sow thinly about the first week in March in a hotbed, greenhouse, or window, where the temperature is never below 60 degrees. When 2 inches high, set out the plants in boxes about 4 inches apart, or pot singly. After all danger of frost is past they may be transferred to the open ground. Set them deeply, 4 feet apart, and a shovelful of rotted manure should be mixed in the earth of each hill. If the vines are trained on trellis, the fruit will be finer and larger.

BONNY BEST. Of about the same season as Chalk's Jewel, but fruits average somewhat smaller. They are of bright scarlet color, always smooth, and of remarkably uniform size and shape. Pkt. 10 cts.; ½oz. 30 cts.; oz. 50 cts.

CHALK'S EARLY JEWEL. Within a week to ten days as early as the famous Sparks' Earliana, it is even a heavier cropper, with Tomatoes of larger size. The large, handsome fruits are very solid, deep through, brightest scarlet, ripening right up to the stem without any cracks or green core. Flesh thick, bright scarlet, solid, with comparatively few seeds and of sweet flavor. Pkt. 10 cts.; ½oz. 25 cts.; oz. 45 cts.

Sparks' Earliana. One of the best and most popular extra-early sorts. The fruits are good size, red in color, quite smooth, and are produced in great profusion. Pkt. 10 cts.; ½oz. 30 cts.; oz. 50 cts.

GLOBE. Fruit globe-shaped, very early, large-sized, smooth, and firm-fleshed; very productive; in color, glossy rose, tinged with purple; quality excellent. Pkt. 10 cts.; ½oz. 30 cts.; oz. 50 cts.

JOHN BAER. An extra-early variety. Fruits are large and very attractive, round in shape, smooth, firm, and of excellent quality. It ripens early and continues to bear fruit throughout the season. Pkt. 10 cts.; ½oz. 30 cts.; oz. 50 cts.

SUPERB SALAD. Small, very smooth red fruit suitable for serving whole in salads. Very prolific. Pkt. 10 cts.; ½oz. 25 cts.; oz. 45 cts.

JUNE PINK. Ripens as early as Sparks' Earliana and ten days to two weeks earlier than Chalk's Early Jewel. It is an enormous bearer, clusters of six to ten fruits being borne at the crown and at the forks of the branches. The fruit is of medium size, uniform, smooth, and attractively shaped. Pkt. 15 cts.; ½oz. 45 cts.; oz. 75 cts.

Marglobe. Tested and approved by the United States Department of Agriculture. Very productive, second-early variety. Large, smooth, meaty, globular red fruits, free from cracks. Immune to rust and wilt. Pkt. 15 cts.; ½oz. 50 cts.; oz. 75 cts.

MATCHLESS. One of the finest, smoothest main-crop Tomatoes in cultivation. Of rich cardinal-red color, with solid flesh of finest quality. Grows to good size, which it maintains throughout the season. Pkt. 10 cts.; ½oz. 30 cts.; oz. 50 cts.

The Stone. The largest, bright red, perfectly smooth highest-yielding, best-keeping, finest-flavored, main-crop variety. Pkt. 10 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.25.

DWARF STONE. The plants are of dwarf, sturdy growth and very productive; fruit bright red, similar in appearance to the Stone. Pkt. 10 cts.; ½oz. 30 cts.; oz. 50 cts.

PONDEROSA. The fruits are very solid, almost seedless, of good subacid flavor and of immense size, frequently weighing considerably more than two pounds. Good Tomato for home use; splendid slicer. Pkt. 15c.; ½oz. 45c.; oz. 75c.

GOLDEN QUEEN. "Queen of all the Yellows." Its superior flavor has brought it into general favor as a table fruit. Pkt. 10 cts.; ½oz. 35 cts.; oz. 60 cts.



Stone Tomato



Small-Fruited Pear Tomato

FORCING TOMATOES

The following varieties are excellent for growing under glass during winter as well as for outdoor culture.

AILSA CRAIG. A very heavy cropper of perfect-shaped fruit; excellent flavor. A free setter. Pkt. 25 cts.

BIDE'S RECRUIT. A very prolific English Tomato. Fruit of medium size, bright red in color, and of excellent quality. Pkt. 25 cts.

CARTER'S SUNRISE. A heavy cropper, free setter, and bears fine, medium-sized fruits of excellent quality and flavor. Pkt. 25 cts.

COMET. This is a very popular sort for growing indoors or out, with a medium-sized fruit, almost round, and of a rich scarlet color. Pkt. 15 cts.

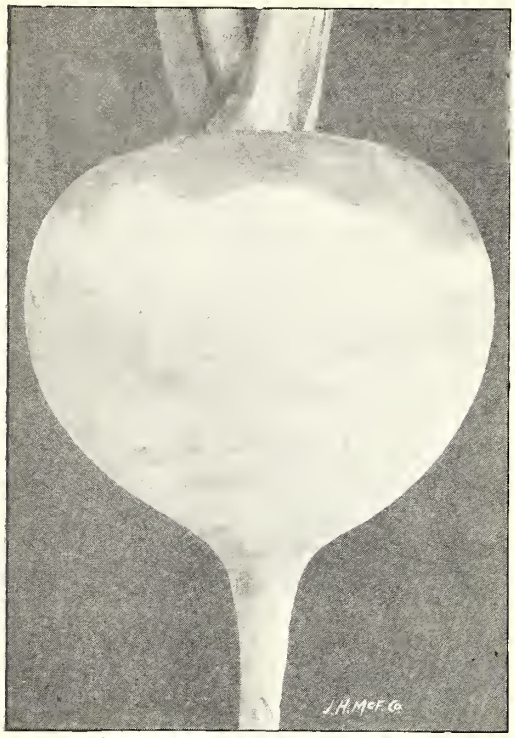
FILLBASKET. A most healthy and vigorous cropper of well-formed, medium-sized fruit; excellent for forcing. Pkt. 25 cts.

SMALL-FRUITED TOMATOES

For pickling and preserving; also invaluable for garnishing.

Red Cherry. Small fruits, used for pickles; very handsome.
Red Pear. Fruit handsome and solid; fine for preserves.
Red Plum. Bright red; round; regular; for pickles.
Yellow Pear. Handsome, yellow, pear-shaped fruits.
Yellow Plum. Round and regular; bright yellow; used for pickles.

Each, pkt. 15 cts.; ½oz. 40 cts.; oz. 70 cts.



Purple-Top White Globe Turnip

TURNIP

One ounce will sow about 150 feet of drill

For early Turnips, sow as soon as the ground opens in spring. Rutabagas should be sown from any time in July to August 1; but the other kinds, for winter use, may be sown from the middle of July to the end of August. Turnips are generally sown broadcast, but much larger crops are obtained (particularly of the Rutabagas) by cultivating in drills 1½ feet apart, and thinning to 6 inches in the drill. Sow in drills, one pound to the acre; broadcast, two to three pounds to the acre.

Purple-Top Strap-Leaf. Most extensively used of the flat Turnips. White skin and flesh, with purplish top. Quite early and very sweet and tender. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.

EARLY WHITE STRAP-LEAF. A fine early variety for family use. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.

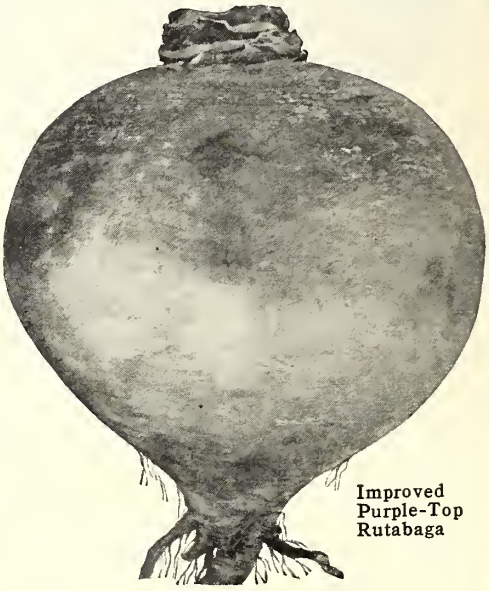
Purple-Top White Globe. A very handsome globe-shaped variety; valuable for table or stock. Pkt. 10c.; oz. 15c.; ¼lb. 35c.; lb. $1.

PERFECT MODEL. The roots are beautiful in shape, pure white in color, and delicious in flavor. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.

GOLDEN BALL. This is the most popular of all the yellow garden varieties; shape perfectly globular; skin deep orange-yellow, and flesh of the finest quality. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.

YELLOW GLOBE. An excellent sort for early or late sowing; good cropper, fine keeper; excellent for table or stock. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.

YELLOW ABERDEEN PURPLE-TOP. A very hardy and productive variety of excellent quality; good for either table or stock. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.



Improved Purple-Top Rutabaga

RUTABAGA OR SWEDISH TURNIP

Rutabagas are principally grown for winter use. The roots grow to an enormous size and the flesh is tender and very sweet. In the latitude of Philadelphia, the seed should be sown from the first to the middle of July in order to make large roots for winter keeping.

IMPROVED PURPLE-TOP. (Special Strain.) This is a very hardy and productive type of this splendid vegetable; the flesh is yellow, solid, and unusually sweet, making it excellent for both table use or stock feeding. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.

SWEET AND MEDICINAL HERBS

Used for various culinary and medicinal purposes. Sow seeds of the perennials, marked thus (*) carefully in hotbeds early in the spring, and at the proper time transplant in permanent beds, in rows about 1½ feet apart, setting the plants a foot apart in the row. In the winter they should be slightly protected with manure. The others are annuals, coming to perfection the first year, after which they die. Sow them in the open ground, early in the spring, in drills 12 to 15 inches apart, and thin out. For winter use, they should be cut just as they come into flower, tied in bunches and hung in a light, airy place indoors.

All varieties, except where noted, 10 cts. per pkt.

Anise. Used for flavoring. Oz. 35 cts.
Balm.* Made into Balm tea for fevers.
Basil, Sweet. For soups and stews.
Borage. A pot-herb and for bees.
Caraway. Seeds are used in cakes, etc.
Chives.* Used for garnishing.
Coriander. Seeds used in confectionery.
Catnip or Catmint.* An excellent tonic for cats. Pkt. 20 cts.
Dill. Used for pickling. Oz. 25 cts.
Fennel.* For pickling and sauces. Oz 25c.
Horehound.* Valuable for medicine.
Lavender, True.* Used in perfume. Pkt. 15 cts.; oz. 60 cts.
Marjoram, Sweet.* Oz. 50 cts
Rosemary.* Aromatic; for seasoning. Pkt. 15 cts.; oz. 60 cts.
Sage.* Used for flavoring. Oz. 50 cts.
Savory, Summer. For flavoring.
Savory, Winter.* A hardy form.
Thyme.* For sauces and dressings. Pkt. 15 cts.; oz. 75 cts.
Wormwood.* Beneficial to poultry.



Dill | Thyme | Horehound | Anise | Lavender | Sweet Marjoram | Fennel

CLOVER SEEDS

Prices change with the market. Write for lowest prices when ready to order

Alfalfa, Northern-Grown (*Medicago sativa*). Yields enormous crops of hay for many years. On good soils, three or four cuttings per season can be made. Sow 20 to 30 pounds per acre. Lb. 45 cts.

Grimm Alfalfa. Greatly improved; very vigorous, and the hardiest Alfalfa known. Yields heavy crops. Lb. 75 cts.

Alsike. A very hardy Clover; on rich, moist soils it yields enormous crops. Lb. 40 cts.

Sweet Bokhara (*Melilotus alba*). Grown for bee-food and a fertilizer. Sow 20 pounds to the acre. Lb. 30 cts.

Medium Red (*Trifolium pratense*). The common red Clover, largely grown throughout the country. Pure clean seed of highest quality and germination. Lb. 50 cts.

Crimson or **Scarlet** (*Trifolium incarnatum*). An annual Clover of quick growth; very nutritious and rich in protein. Splendid as a cover-crop and for green-manuring, adding humus and nitrogen to the soil. Lb. 30 cts.

White (*Trifolium repens*). A low-growing Clover used in mixtures for permanent pasture and for lawns. Lb. 85 cts.; 5 lbs. $4.

Prices for quantities larger than 5 pounds will be quoted on request



Cowpeas

Barley

Barley needs a rich land, more sandy and lighter than that adapted to wheat, and can be grown farther north than any other grain. Sow 1½ to 2 bushels to the acre if drilled; 2 to 2½ bushels broadcast. Bushel weighs 48 pounds.

Spring and **Beardless.** Market price.

Millet

Nothing pays better for a stock-raiser and dairyman than a few acres of Millet. Valuable as a milk-producer, and yields double the quantity of hay per acre as timothy and clover. Greatly relished by stock.

German or **Golden.** Sow 1 bushel (50 pounds) to the acre. Larger and heavier than the Hungarian and yields a much heavier crop, but is later. Should be sown in this latitude from April to July 10. Market price.

Hungarian. Does especially well on rich soils and makes a finer quality of hay than Golden Millet. Market price.



Dwarf Essex Rape

Field Corn

Sow 8 quarts to the acre in early May.

Golden Beauty. The largest grained and handsomest yellow Corn. Market price.

Reid's Yellow Dent. A carefully selected strain. Market price.

Improved Leaming. A very popular and productive variety. Market price.

White-Cap Extra Early. Market price.

Red Cob Ensilage. Long, narrow, white grains. A late maturer, and used for silo, green feed, or ensilage, as it is a tall, rank grower and prolific in leaves. Market price.

Canadian Field Peas

Valuable for northern climates for cattle-feeding and for green soiling, and is also used in large quantities for feeding pigeons. Sow 3 bushels per acre alone, or 1½ bushels with 1 bushel oats. Bushel weighs 60 pounds. Market price.

Cowpeas

Sow 1 bushel to the acre broadcast or ½ bushel drilled in rows about 30 inches apart, in May or June, depending on whether the soil is warm enough to plant them. They may also be sown up to the end of July.

Whip-poor-will. Very early, maturing seed in about 70 days. Makes a very heavy growth but does not trail like the Wonderful. Best for pasture. Market price.

Extra-early Black-eye. Extra-early, maturing in about 60 days. Market price.

Rape

Dwarf Essex. Sow 6 pounds per acre broadcast, from April 1 to October 1. It produces enormous crops, and is ideal green manure. Stock feeding on it should have ready access to salt. Lb. 25 cts.; 5 lbs 75 cts.

Oats

Welcome. An excellent variety, productive and heavy. Sow 2½ to 3 bushels to the acre. Bushel weighs 32 pounds. Market price.

Spring Wheat

A desirable crop to sow where fall-sown Wheat has been killed by severe winter. The grain is very hard, of excellent milling quality.

Rye (for Seeding)

Spring. An excellent early green food, or for pasture. The grain is used for feeding and other purposes; the straw is of fine quality, making a larger yield than the winter rye from which it is quite distinct, the seed being smaller. Sow from May 1 to June 1. Bushel weighs 56 pounds.

Soy Beans (Soja Beans)

For hay, soil-improvement, and pasturage. When planted alone, make the rows wide enough to cultivate and use 40 pounds of seed per acre; if sown broadcast, 60 pounds per acre; when sown in corn, 30 pounds per acre. They do well on light and heavy soils; when plowed under will enrich any soil.

Mammoth Yellow. Makes a large growth. Market price.

Wilson Black. One of the best for hay. Market price.

Sunflower

Mammoth Russian. This makes a splendid poultry-food, especially for winter use, on account of its heating and fattening qualities; will yield sometimes as high as 60 bushels per acre. Sow 10 quarts per acre in drills 3 feet apart, dropping the seed about every 4 inches. Lb. 15 cts.; 5 lbs. 60 cts.

Vetches

Winter, Hairy, or **Sand.** Used as a cover crop. Sow from August 15 to October 1, using 1 bushel (60 pounds) to the acre. Price on application.

Spring. Bushel weighs 60 pounds. Market price.



Vetch

SUMMER-FLOWERING BULBS AND PLANTS

AMARYLLIS

An easily grown plant of wondrous beauty. On receipt of the bulbs they should be placed where they will always be slightly moist and warm—under the benches of a greenhouse, for example. Do not pot up the bulbs before the flower-buds appear; when first potted, give very little water, and promote growth by giving moderate bottom heat; increase the supply of water as the plants progress. Very often the mistake is made of potting up the bulbs too early; the consequence is that only leaf-growth is made.

Giant American Hybrids. We believe this selection is the best obtainable at the present time, and we know of nothing that will give the amateur greater pleasure for the window-garden. They are of vigorous growth, free-flowering habit, and enormous size of the individual flowers. We offer mixed varieties only.

	Each	Doz.
Mammoth bulbs	$0 75	$8 00
Monster bulbs	1 50	15 00

BEGONIAS (Tuberous-Rooted)

There is hardly a garden in which there are not partly or entirely shaded spots where the average flower will not grow. Such places are ideal for this flower, yet it will make a dazzling show in the open. Enormous wax-like flowers appear uninterruptedly from June till frost. The bright flowers contrast well with the deep-colored foliage. The bulbs must be lifted in the fall.

Single Begonias. Crimson, Scarlet, Pink, Salmon, Yellow, White. 30 cts. each; $3 per doz.; $20 per 100.

Double Begonias. Crimson, Scarlet, Pink, Salmon, Yellow, White. 35 cts. each; $3.50 per doz.; $22.50 per 100.

Single Frilled. Large flowers, attractively frilled and ruffled on the edges. All colors in a well-balanced mixture. 35 cts. each; $3.50 per doz.; $22.50 per 100.

CALADIUM ESCULENTUM

Elephant's Ear

A fine tropical plant that is easily grown and very effective for beds, borders, or for planting out on the lawn. Bulbs may be planted outdoors as soon as danger of frost is over, covering about 3 inches deep. To obtain the best results it should be planted where it will obtain plenty of water. Foliage light green. When full size, it stands 4 to 6 feet high, with leaves 3 to 4 feet long by 2½ feet wide.

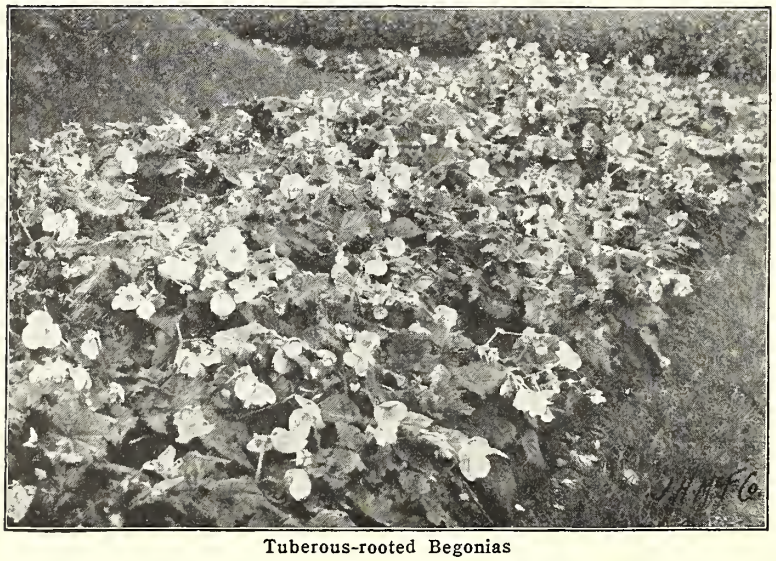
	Each	Doz.	100
First-size bulbs	$0 20	$2 00	$12 00
Mammoth bulbs	25	2 75	20 00
Monster bulbs	50	4 00	30 00

Fancy-Leaved Caladiums. Fine for decorating the conservatory, greenhouse, and window-boxes, also for planting outdoors when ground has become warm. **Named Varieties.** 35c. ea.; $3.50 per doz.

CALLA LILIES

Golden Yellow Calla. This is the Yellow Calla of marvelous beauty, the flowers being as large as the popular white winter-flowering variety and is of a rich lustrous golden yellow. The foliage is dark green with numerous white spots which gives the plant a very ornamental appearance.

	Each	Doz.	100
First-size roots	$0 35	$3 50	$25 00
Mammoth roots	45	4 50	35 00



Tuberous-rooted Begonias



Caladium esculentum

CINNAMON VINE

A rapid-growing climber, taking its name from the peculiar fragrance of the delicate white flowers. The leaves are heart-shaped, bright glossy green; growth is very rapid, often running 25 to 40 feet; quite hardy. Large select roots. 10 cts. each; $1 per doz.

GLOXINIAS

Gloxinias make excellent house plants and succeed well in a sunny window in the spring months. They may be started in February in a shallow box about 2 inches deep, the bottom of which has been covered with about one inch of sphagnum moss. Spread the bulbs out on the moss, about ½inch apart, and cover them with more moss to the depth of about ½inch. Keep the bulbs in a temperature of about 68 degrees. In about two weeks both tops and roots will have made a start. The bulbs should then be potted into 4-inch pots in ordinarily good garden soil, and will flower profusely during May and June. Be careful to keep water off the foliage and shade the plants from direct sunlight as the season advances.

All Colors Mixed. 40 cts. each; $4 per doz.

ISMENE CALATHINA

Pancratium Lily or Peruvian Daffodil

One of the choicest of our summer-flowering bulbs, bearing a profusion of handsome clusters of large, very striking, fragrant white flowers in form not unlike gigantic snowy daffodils with greenish markings and curiously balanced anthers resting upon the rim of the cup. Bulbs should be kept warm and dry and planted out in the middle of May. They will commence flowering in July. They may be taken up in October and potted to flower in the winter or be kept over winter and planted out again the next season. They increase rapidly. Large bulbs, 30 cts. each; $3 per doz.; $20 per 100.

MADEIRA OR MEXICAN VINE

A beautiful and popular vine covering a large space in a short time. Much prized for porches and arbors because of its rapid growth and freedom from insects. Thick, glossy leaves of a light green color and numerous racemes of feathery white flowers of delightful fragrance. Large, selected roots, 10 cts. each; $1 per doz.; $7.50 per 100.

TUBEROSES

Excelsior, White Pearl. The Tuberose is one of our finest summer-flowering bulbs. The flowers are waxy white, double, and exceedingly fragrant—a single flower will perfume a room. They do best in a rich, warm soil and a sunny situation. Plant about May 1 in the open ground, but the bulbs may be started in pots much earlier.

	Each	Doz.	100
First-size bulbs	$0 10	$1 00	$6 00
Mammoth bulbs	15	1 50	10 00

If unable to find what you want, refer to the index on page 136

DAHLIAS, New and Recent Introductions

A. LINCOLN. H.C. Color, bright spectrum red, reflex rose-red. Perfectly formed Hybrid Cactus, with long-pointed petals. The flowers are held facing on long, slender, perfectly straight, stiff stems. An early and profuse bloomer. This is the best garden and commercial red that will replace the popular Kalif. Strong plants, $5 each.

CAPE HENLOPEN LIGHT. Dec. Color, creamy yellow changing to creamy white, with a pure yellow cord around the edge of the petal, joining a yellow vein through the heart of the petal, forming a yellow tip. A strong, sturdy grower of branching habit, and an early and profuse bloomer. This was named by request in remembrance of the cherished Cape Henlopen Light that had served so long and faithfully. A gem for exhibition, cutting, and the garden. Strong plants, $5 each.

CITY OF TRENTON. Dec. A pleasing combination of autumn shades, the face of the petals being a tangerine with flame-colored reverse. Petals twist gracefully. Perfect centers in a bloom which can be grown to 12-inch diameter without difficulty. Excellent stems. A Certificate of Merit Dahlia. Tubers, $5 each.

EDYTH HOLLOWAY. Dec. Color, deep scarlet, shaded red, tipped yellow; reflex veined lighter. A seedling of Zeus but a much more robust grower. The flowers have heavy texture and are held on long, stiff stems. It is an early bloomer, splendid grower, and continues to produce its giant flowers until frost. One of the most valuable for the garden, as well as exhibition and cutting. Strong plants, $5 each.

ELIZA LONDON SHEPARD. Dec. (1930.) Color, a clear, rich orange-gold, reflex deeper shade of the same color. It has been designated "The Dahlia Beautiful." It is the ideal Decorative form and carried on long, straight, rigidly stiff stems. The flowers are always perfect. It will give a single bloom to the plant with a perfect exhibition center or 25 perfectly formed, tho smaller, blooms. Its blooms keep a long time on the plant and when cut. The plant is a strong, vigorous, luxuriant grower that will grow anywhere and will be especially valuable in the South and the Pacific Coast on account of its fullness of center late in the season when so many good varieties come with open center. It was selected and named for Mrs. Shepard who, while President of the Women's Auxiliary Legion, and in attendance at the Legion Convention in Philadelphia in 1926, was so enthusiastic over our Dahlias. It is truly the most glorious golden variety and worthy to bear the name of so notable a citizen of the "Golden State." Strong plants, guaranteed to reach any destination, grow and prove entirely satisfactory, $10 each.

GALLI-CURCI. Dec. This beautiful Dahlia was selected from the seedling class by Mme. Galli-Curci at the Dahlia Society of New Jersey Show in Atlantic City. It is a flower of extreme grace and charm, bright salmon-orange with a brilliant luster and golden suffusion. Although this Dahlia is a dwarf grower, it has fine stems. Plants, $5 each.

KATHERINE KELLY. H.Dec. Color, rich glistening brownish red, shaded maroon. The reflex is lighter and sets off the flower most effectively. This flower is also most unique in that it is so different from what it appears: Instead of being flimsy, the petals are very thick, heavy, and of such great substance as not only to keep well but stand up well under long shipments. Splendid and effective for exhibition, garden, and if the terminal buds are removed twice, a profuse cut-flower variety. Do not disbud this Dahlia to the crown-bud only. Special instructions to grow Katherine Kelly will be sent with each order. Strong plants, $5 each.

KATHRYN CHARMAN. Dec. Color combination most unusual, blending from rich bronzy red to golden bronze at the center. A cross of Amun Ra and Champagne that has all the good qualities of both. The plant is a strong, vigorous, healthy grower. Strong plants, $5 each.

KING MIDAS. Dec. Color, pure golden yellow. Form perfect. Stems long, stiff, straight, holding up the giant flowers. First prize-winner everywhere last year. Rated as one of the six greatest of all exhibition Dahlias and the greatest of all golden yellows. The plant is a strong, sturdy grower, absolutely healthy, and an early, free, and continuous bloomer. The flowers are so full that they last on the plant for weeks. Just pull out the back petals from time to time and that wonderful center does the rest. Any of the branches will give 12-inch flowers if fed. For cutting, top out twice, otherwise the flowers are too large. Roots, $10 each; plants, $5.

MARIE. Dec. (1930.) Color, same as Jersey's Beauty, but deeper and brighter. It has a freshness and brilliancy lacking in Jersey's Beauty. An early and free bloomer and full to the center to the last. The flowers are larger than Jersey's Beauty and it is a much more profuse bloomer. They are perfectly full in the center until killed by frost. The plants are sturdy, of branching habit, and ideal for the garden. On account of its wonderful color, stiff stem, and keeping qualities, it is especially valuable for exhibition and cutting. Tubers, $5 each; plants, $2.50.

PRESIDENT HOOVER. Dec. (1930.) Color, peach-red blending to begonia-rose, very bright and luminous; reflex begonia-rose, veined lavender. A thoroughbred, being a cross of Jersey's Beauty and Papillon. The gigantic flowers have the beautiful form of Papillon, though larger, with the full, high center and long stems of Jersey's Beauty. It is an extremely early bloomer, strong, vigorous, of the Jersey's Beauty type, but larger and sturdier. It is one of those resistant varieties that blooms under all conditions. Strong plants, $7.50 each.

ROBERT E. LEE. H.C. Color, bright luminous cardinal-red, reflex lighter. It is not only a brilliant glowing red, but it does not burn or fade. The flowers are carried from facing to upright, and they are always full to the center. It was named by an enthusiastic Southerner as the first Dahlia he had seen that he considered was appropriate and worthy of the name. Strong plants, $10 each.

ROBERT H. GROFF. Dec. One of the most sensational seedlings. It is a seedling of Attraction, but Decorative in form. A very sturdy grower and produces the giant flowers on long, graceful, rigid stems. Full, regular Decorative form, and as it is much larger than Attraction it is more popular for exhibition and cutting than that variety. The flower is very deep through, and the color is a softer and lighter lilac-rose than Attraction. Plant is a strong, vigorous grower and free bloomer. The flowers are always full to the center. Tubers, $2.50 each.

RUTH CAVALIER. H.Dec. Color, deep rose-pink, tinting lighter toward the creamy pink center. A seedling of Rodman Wanamaker crossed with Millionaire. Entirely distinct. Its huge blooms are held erect on long, slender, rigidly stiff foot-stalks. The plant is of dwarf, branching habit, a free bloomer, and one of the best for exhibition, garden, and cutting. Strong plants, $5 each.

SANTA FE. H.C. (1929.) A gigantic flower that is easily the largest, handsomest, and most outstanding yellow Hybrid Cactus Dahlia. This was raised for, and named by the most enthusiastic amateur Dahlia grower in Santa Fe. Yellow is the city color, and, of course, the cactus, the universal flower. The blooms are of enormous size and, even in mid-October, have great depth and a full, high center. It has foliage and habit of growth similar to its parent, Rodman Wanamaker. In formation it is somewhat like Mariposa, but is larger, deeper, and more massive in every way. The color is a clear, soft light yellow. Tubers, $7.50 each.

WALDHEIM SUNSHINE. Dec. This giant yet graceful Dahlia is one of the best. It is a true deep yellow that will show up yellow under artificial light; the reflex is darker, and there is a rich golden suffusion around the beautiful, full, high center. The bush growth is good and stems are strong and erect. It is a sturdy grower and free bloomer. The centers were perfectly full when killed by frost. Tubers, $7.50 each.

WHITE BREAK O'DAY. Dec. Color, pure white. As the name would imply, it is a pure white sport of Break O'Day and has all the splendid qualities of that old favorite. Strong plants, $1 each.



Marie



Decorative Dahlia

DAHLIAS

DECORATIVE VARIETIES

Decorative Dahlias are the largest flowering of any type. The petals are long, broad, and flat and the flowers are double and full to the center. As a garden flower or for cutting to brighten indoors the Decorative type will afford much pleasure.

Amun Ra. Of great size, in richest shades of coppery bronze; stems are long and stiff and the flowers keep splendidly. 75 cts. each.

Bashful Giant. One of the largest Dahlias yet introduced. A great, attractive exhibition flower. Color apricot with golden suffusion and shadings. 50 cts. each.

Dream Girl. Pale lemon-yellow at base of petal, shading to rosy red at tips; reflex pale pink and white. The flowers are of good size, of beautiful, regular form, and borne well above foliage on straight stiff stems. 50 cts. each.

Eagle Rock Beauty. A large, free-flowering, soft pink, tinting to ivory at tips of petals. $3.50 each.

Eastern Star. One of the best of its type and color—clear yellow shading to buff and orange. Flowers large, of splendid full, regular form, and borne erect on cane-stiff stems. Height, 5 feet. $1.50 ea.

Elite Glory. A magnificent giant red, with flowers of great substance and regular form. Blooms freely on rigid stems. Entirely distinct. $2.50 each.

Fireburst. A massive flower of soft orange-red. A free bloomer; fine for garden or exhibition. 75 cts. each.

Giant Ruby. Classed among the best red Dahlias. Beautiful vivid red, enormous flowers with full center and good stem. Excellent for exhibition, also garden decoration. $1 each.

Greinberg's Oriental. (New.) This new variety is a great acquisition to our list of Dahlias. The plants are of strong, vigorous growth and produce on long, stout stems, enormous flowers of beautiful crimson-lake, suffused vermilion. $3.50 each.

Grizzly. The largest deep bright red grown; 10 inches is very easy to attain with this monster. 75 cts. each.

Hortulanus Fiet. A colossal flower of the most delicate shade of shrimp-pink. The entire flower has a suffusion of delicate tints of red and gold, which gives a glow of great charm. 75 cts. each.

Jersey's Beacon. Bright scarlet, with a buff reflex. Very large; splendid form and a free and continuous bloomer. $1 each.

Jersey's Beauty. A vivid, glowing pink; immense, deep, and massive flowers of perfect form; petals regularly placed. Flowers always erect, on long, strong stems. 75 cts. each.

Jersey's Jewel. Very large; mallow pink. A strong vigorous grower and good bloomer. 75 cts. each.

Jersey's Sovereign. Salmon-orange flowers of fine form and substance, produced freely on good stems. 75 cts. each.

Kitty Dunlap. A large, fine, pure cerise-rose flower 7 to 8 inches across. A free bloomer on long, cane-stiff stems. 75 cts. each.

Margaret Masson. A wonderful exhibition variety, with very large full flowers on rigid stems. Color silvery lavender-pink. $1 each.

Margaret Woodrow Wilson. Immense blooms of fine form on stiff stems. Color creamy white, suffused pink, reflex darker. Splendid exhibition flower. $1.50 each.

DECORATIVE DAHLIAS, continued

Mrs. I. de Ver Warner. An exquisite shade of mauve-pink; beautifully formed and of immense size—10 inches across. 50 cts. each.

Pride of Wayne. Produces rich plum color flowers of enormous size, on stiff stems. A fine exhibition variety. 75 cts. each.

Robert Treat. The American-Beauty-colored Dahlia. A strong, vigorous grower and free bloomer. Blooms of beautiful form and large size. $1 each.

Rodman Wanamaker. One of the largest Dahlias in existence. The giant flowers are of wonderful form and contour, entirely distinct, and the "autumn shades and tints" so exquisitely blended that it is undoubtedly the best Dahlia yet produced. $1.50 each.

Sagamore. Amber-gold, slightly suffused salmon-rose and orange-buff. Large and fine. $1 each.

Shudow's Lavender. A wonder large flower of lavender, shading to white. One of the best of the newer Dahlias. $1 each.

Stunner. Large, soft yellow blooms of finest form and borne erect on strong, stiff stems. A free bloomer. One of the best. 50 cts. each.

Tommy Atkins. Very popular variety for exhibition, cutting, and the garden, on account of its large size, fine form, splendid keeping qualities, and its vivid flame-color. 75 cts. each.

Trentonian. A blend of old-gold, amber, and coppery bronze—the color of an Indian's skin. The flower has great lasting qualities. 75 cts. each.

Valley Forge. Very large, deep purple flowers held erect. A splendid exhibition and garden plant. 75 cts. each.

Waterer's White. The ideal white for garden or cutting. Flowers of good size, perfect form, pure white, and of great substance, keeping a long time after being cut. The plant is a very robust grower, of sturdy, branching habit; profuse and continuous bloomer. $2 each.

Wizard of Oz. Immense amber-pink blooms, borne on rigid stems. Shaded salmon. $1 each.

SHOW DAHLIAS

Show Dahlias are the old, large, round and quilled flowers, sometimes called the Ball Dahlias.

A. D. Livoni. Clear, bright pink, quilled petals, the best pink show Dahlia. 25 cts. each.

Clara Seaton. Immense yellow, suffused golden buff. Very large, quilled petals. 50 cts. each.

Dreer's Yellow. An immense clear yellow, with full center and quilled petals. 50 cts. each.

Dreer's White. A pure white of large size and formation of Grand Duke Alexis. 25 cts. each.

General Miles. One of the largest in this class. Lavender, splashed with magenta. 50 cts. each.

Gold Medal. Deep golden yellow, tipped and suffused oriental red; splendid form; very striking and effective. 50 cts. each.

PEONY-FLOWERED DAHLIAS

This is the newest type. The petals are broad and often twisted, hiding the yellow center of the bloom. The flowers are very artistic, the color is very attractive, and the size is exceptionally large. The outer petals are generally irregular.

Ann Duskin. Rich maroon, shaded black, maroon center; distinct and unique. 35 cts. each.

Canada. Pure white, massive flowers with heavy petals; strong, stiff stems. 35 cts. each.

Dr. John Lane. Pleasing Peony-flowered Dahlia of Geisha type. Color yellow, suffused golden orange at base of petals, shading to rich bronzy scarlet toward the center and tinting lighter at the tip. 50 cts. each.

Geisha. Enormous flower of rich scarlet and gold. 75 cts. each.

Gorgeous. Wonderful new red and yellow Peony type; flowers average from 8 to 10 inches in diameter. Long strong stems; good bloomer. 75 cts. each.

Peg o' My Heart. One of the most pleasing of this type. Flowers large, of splendid form, and held erect on long, stiff, graceful stems. Color a rich shade of cerise. 75 cts. each.

Pink Perfection. Luminous silvery pink, of large size and splendid form on long stiff stems. The first flowers come fully double. 35 cts. each.

Rosalie Styles. Largest and best pink of this class. 50 cts. each.

CACTUS DAHLIAS

The true Cactus type flowers are double, with long, narrow, twisted petals. The Hybrid Cactus type petals are shorter, with a broad flat appearance. The Cactus type are much appreciated because of their lasting quality after cutting.

Ambassador. Color soft yellow, shading to buff and salmon. Pleasing form and large size of the American Cactus. 75 cts. each.

Amber Glow. Bright amber, deepening to pale orange in center. Good exhibition variety. 75 cts. each.

Attraction. Large, elegant flower of a clear lilac-rose, borne on long stiff stems. 50 cts. each.

Cigarette. H.C. Very fine scarlet-tipped white flowers 7 inches across, carried erect on cane-stiff stems. An early, free, and continuous bloomer. 75 cts. each.

Daddy Butler. H.C. Rosy carmine, reverse of petals lighter. Large; free bloomer on stiff stems. 75 cts. each.



Cactus Dahlia

CACTUS DAHLIAS, continued

El Granada. H.C. Beautifully formed yellow blooms, suffused scarlet, and having long, twisted petals. Free bloomer on good stems. $1 each.

Emma Marie. A splendid new variety of real merit. Color deep rose, tinting to cream at center. Flowers large, with full, high centers, and borne erect on cane-stiff stems. An early and free bloomer. $1 each.

Esther R. Holmes. A wonderful orchid-pink variety, and a prize-winner. A most graceful flower on good stems. Excellent for cutting. 75 cts. each.

Frances Lobdell. One of the most popular varieties. Mallow-pink with white center. A profuse bloomer on rigid stems. 75 cts. each.

F. W. Fellowes. Flowers of immense size, composed of numerous long, narrow, incurved petals of a lively orange-scarlet. This is one of the largest and finest autumn shade varieties. Should be in every collection. 75 cts. each

George Walters. One of the most popular favorites of the large-flowered Californians, producing its blooms very freely on long stiff stems. They are of a pleasing salmon color with shrimp-pink shadings. 50 cts. each.

Gladys Sherwood. A giant, free-flowering, long-stemmed variety, the large white blooms being full to the center. 50 cts. each.

Golden West. This is a California variety that is in a class by itself in its color—that rich, golden, bronzy yellow, with the scarlet shading at the base of the petals and the center. 35 cts. each.

Jean Chazot (Gay Paree). Golden bronze with nasturtium-red suffusion. A vigorous grower and profuse bloomer. 75 cts. each.

Kalif. Very large; pure scarlet. 50 cts. each.

Mariposa. Large blooms of great depth and substance. The color is a lovely shade of lilac. The stems are good and the habit of the plant is all that could be desired. 75 cts. each.

Mary Dorr. Deep amaranth-pink, with white tips and center. The flowers are large, with long, narrow, pointed, incurved petals. Splendid bloomer on fine stems. 75 cts. each.

Mrs. Edna Spencer. An exceptionally fine variety for all purposes. Large, finely formed blooms and above all, a free bloomer on long, erect stems. Color silvery lilac, shading to bright orchid-pink. 35 cts. each.

Mrs. Ethel F. T. Smith. A giant variety producing extra-large flowers on long straight stems, held well above the foliage. Color creamy white, shading to lemon at center. 50 cts. each.

Mrs. Richard Lohrman. A wonderful pure, rich yellow. A fine garden flower. 50 cts. each.

Sunset Glow. The color is yellow at base of petal, outer part overlaid flame-scarlet, tipped yellow. It is an extremely profuse bloomer and every flower is perfect. 50 cts. each.

Tom Lundy. An introduction from California and one of the largest Hybrid Cactus Dahlias grown. Of a dark velvety red, the blooms are held on long, stiff stems. 35 cts. each.

U. S. A. A splendid exhibition variety of largest size and fine form. Color a rich orange. The plant is a free grower and good bloomer; one of the best. 75 cts. each.

Verna Fowler. Light yellow, penciled and tipped pink and carmine. The plant is a very vigorous grower, 5 feet high and produces the flowers freely on long, graceful, stiff stems. 50 cts. each.

COLLARETTE DAHLIAS

Collarette Dahlias are single flowers with a row of different colored petals inside of the outside row, giving the appearance of a collar.

Dorian. Rich crimson, shaded maroon; collar white suffused crimson. 25 cts. each.

Elgrave. Duplex Collarette, most novel and effective, with two or more rows of petals; rich maroon, collar petals maroon, heavily tipped white. 35 cts. each.

Marley. Clear light canary-yellow. A fine variety for cutting. Very effective. 25 cts. each.

Maurice Rivoire. Rich crimson-maroon; white collarette. 25c. ea.

Prince Carnival. Very large. Soft rosy red with light collar. 25c. ea.

San Mateo Star. One of the largest. Crimson with white collar. Entirely distinct and striking. 75 cts. each.

POMPON DAHLIAS

Pompon Dahlias are very similar to the Show Dahlias, only smaller. They are of medium growth and well suited for the border. This class was very popular years ago, and, with a great many other things, is regaining the favor of the flower-lover.

Belle of Springfield. A splendid variety and the finest type in Pompons. Flowers of perfect shape, soft rosy pink, and borne in profusion on slender stems above the foliage. 35 cts. each.

Clarissa. Pale primrose. 25 cts. each.

Eleganta. Deep pink, quilled petals. 25 cts. each.

Elfin. Very small and dainty. Light primrose-yellow. 35 cts. each.

Fairy Queen. Buff-yellow, edged deep carmine. 35 cts. each.

Kleine Domitea. Bright golden terra-cotta. 25 cts. each.

Little Herman. Cardinal-red, tipped white. 35 cts. each.

Little Sweetheart. Red, tipped white. 25 cts. each.

Madeline. Primrose, edged rosy purple. 25 cts. each.

Snowclad. The best pure white Pompon Dahlia. 25 cts. each.

Splendens Imbricata. Vivid cardinal-red. 25 cts. each.

CENTURY SINGLE DAHLIAS

Contrast. Very large crimson blooms, tipped white, borne on long, stiff stems. 35 cts. each.

Evelyn Century. White, outer half of petals a bright violet-cerise making a beautiful white zone around the yellow disc. Very bright and striking. 25 cts. each.

Gloxinia. In marking and brilliancy of color, resembles the gloxinia so much as to suggest the name. Color brilliant cerise, tinting lighter at tips, with white at base of petal. 25 cts. each.

Josephine. The acme of perfection in snow-white. A splendid cut-flower. 35 cts. each.

Praxiteles. The color is a deep velvety violet-maroon, each petal tipped white. The plants are dwarf. 25 cts. each.

Sunset Century. Most strikingly effective. Yellow at base of petal, outer half deep rich vermilion. 25 cts. each.



Peony-flowered Dahlia

WATERER'S SUPERB GLADIOLUS

CULTURE. Gladiolus are easily grown in any ordinary good garden soil, provided the situation is sunny. They may be planted in rows, beds, or groups 6 inches apart, covered with 3 to 4 inches of soil. Press the earth firmly around the bulbs. Water freely but always after sundown and cultivate frequently to prevent the surface of the soil hardening. A succession of blooms can be had by planting the bulbs at intervals of two weeks from about April 15 to July 1.

Albania. Large, slightly ruffled, pure glistening white flowers, facing forward, making a tall, well-built spike. 12 cts. each; $1.25 per doz.; $8 per 100.

America. Exquisite, soft lavender-pink. For cut-flower use and bedding it is indispensable. 7 cts. each; 75 cts. per doz.; $5 per 100.

Anna Eberius. Unusual and most artistic in color—clear rosy purple with a smoky suffusion. 10 cts. each; $1 per doz.; $7 per 100.

Baron Joseph Hulot. Rich deep indigo-blue, narrow yellow pencil stripe on lower petals. A splendid companion to Flora. 12 cts. each; $1.25 per doz.; $8 per 100.

Byron L. Smith. Delicate lavender, deepest at the edges of the petals, and shading toward white in the center—gives the impression of an orchid. Well arranged on good stem. 12 cts. each; $1.25 per doz.; $8 per 100.

Captain Boynton. Large, beautiful lavender flowers, with deeper blotch on lower petals, perfectly placed on tall, strong stem. An excellent variety and early forcer. 25 cts. each; $2.25 per doz.; $15 per 100.

Carmen Sylva. Large, snow-white flowers, well placed on always perfectly straight, tall stems. Extra-fine cut-flower variety. 10 cts. each; $1 per doz.; $7.50 per 100.

Crimson Glow. Deep, brilliant crimson, overlaid with darker shades; lower petals blotched with deep velvety crimson. The flowers are immense and plentifully spread on the tall graceful stem. 10 cts. each; $1 per doz.; $7 per 100.

Dr. F. E. Bennett. Very large flower of great substance, peach-red, overlaid with flame-scarlet, throat speckled ruby and creamy white; many open at a time on strong stem. Sturdy grower. 30 cts. each; $3 per doz.; $20 per 100.

Early Sunrise. Deep orange-salmon, with yellowish blotch on lower petals. Very early, excellent florist's variety. 12 cts. each; $1.25 per doz.; $8 per 100.

E. J. Shaylor. Splendid deep rose-pink. One of Kunderd's best ruffled varieties. Good cut-flower. 10 cts. each; $1 per doz.; $7.50 per 100.

Fern Kyle. Creamy white, with primrose throat and slight traces of amaranth. Extremely large, nicely ruffled flowers and good strong plants. 20 cts. each; $2.25 per doz.; $15 per 100.

Flaming Sword. Brilliant red flowers, overlaid with orange, as many as ten open at a time, well placed on tall, straight stems. Very early. 12 cts. each; $1.25 per doz.; $8 per 100.

Giant Nymph. Light rose-pink, with creamy yellow throat. Very large, wide-open flowers, well arranged on long stems. 20 cts. each; $1.75 per doz.; $12 per 100.

Golden Measure. Very large pure golden yellow flowers of good substance. Robust grower and considered the best yellow on the market. A super-Glad. 20 cts. each; $1.75 per doz.; $12 per 100.

Halley. Delicate salmon-pink with a slight roseate tinge, though the lower petals bear a creamy blotch with a stripe of bright red through center, the whole producing a delightful effect. 7 cts. each; 75 cts. per doz.; $5 per 100.

Jack London. Light salmon with vermilion stripes and canary-yellow throat. Perfectly placed flowers on strong stems. A robust grower. 15 cts. each; $1.50 per doz.; $9 per 100.

Le Marechal Foch. Very large, wide-open, clear light pink flowers, a shade brighter than America, on strong, stiff stems. Very early and useful cut-flower. 7 cts. each; 75 cts. per doz.; $5 per 100.

Los Angeles. Shrimp-pink with orange-carmine throat. Most distinct and elegant variety. 10 cts. each; $1 per doz.; $7 per 100.

Mr. H. W. Phipps. Clear pink with light salmon reflex, lighter toward center, lips faintly speckled ruby. Flowers truly enormous, forming massive spikes of great beauty. 30 cts. each; $3 per doz.; $20 per 100.

Mr. Mark. Medium large light blue flowers, with darker blotch in throat, and borne on strong stems. One of the best blues. 15 cts. each; $1.50 per doz.; $10 per 100.

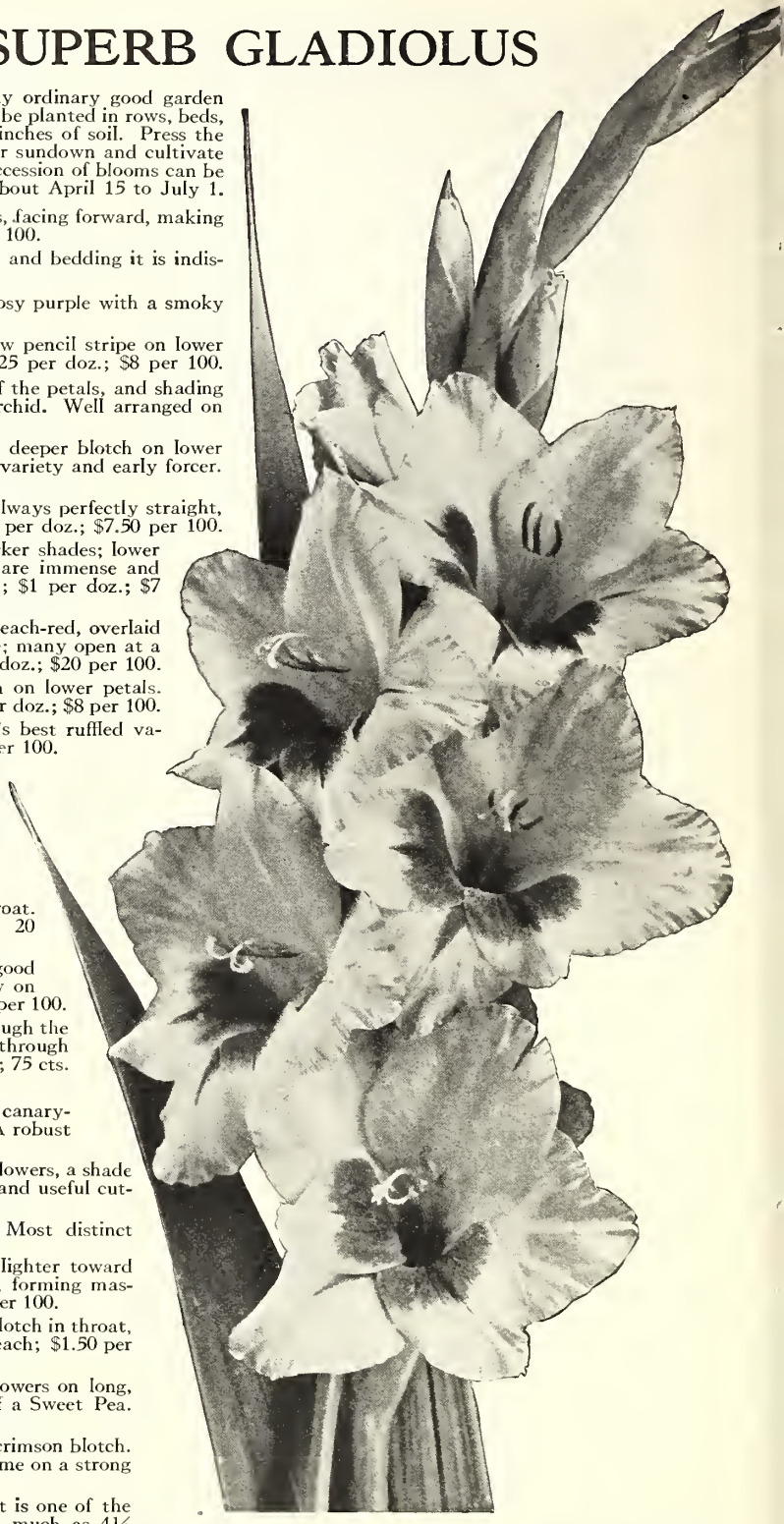
Mrs. Dr. Norton. Fresh clear apple-blossom-pink; large flowers on long, slender spikes; distinct in form, with all the daintiness of a Sweet Pea. 10 cts. each; $1 per doz.; $7 per 100.

Mrs. F. C. Peters. Light lavender with pink tints and soft crimson blotch. The large flowers are slightly ruffled and many open at a time on a strong stem. 15 cts. each; $1.50 per doz.; $10 per 100.

Mrs. Francis King. Color is brilliant vermilion-scarlet. It is one of the best for cut-flower purposes. The individual blooms are as much as 4½ inches across and five or six are usually expanded at one time, the reserve buds opening as the older flowers pass. 7 cts. each; 75 cts. per doz.; $5 per 100.

Mrs. Frank Pendleton. Flowers deep rose-pink, shading to pale pink in throat; large, bright crimson blotches on lower petals, giving it a striking appearance. Tall, vigorous grower. Extra cut-flower. 8 cts. each; 85 cts. per doz.; $6 per 100.

Mrs. George W. Moulton. Violet-red self-color. A giant in flowers and stem. Many flowers open at a time. Good forcer. 12 cts. each; $1.25 per doz.; $8 per 100.



Mrs. Leon Douglas. Begonia-rose, striped with flame-scarlet, lower petals pale lemon, speckled ruby. Tremendously large flowers, many open at a time. Very tall, strong stem, with several side shoots, the whole forming a gigantic bouquet. Considered one of the largest Glads in existence. 20 cts. each; $1.75 per doz.; $12 per 100.

Odin. Large deep salmon-pink flowers with intense carmine blotch on lower petals, giving it a very warm color combination; strong stems. Very early. Splendid cut-flower. 10 cts. each; $1 per doz.; $7 per 100.



Gladiolus, America

WATERER'S SUPERB GLADIOLUS, continued

Peace. Flowers are large, of good form, correctly placed on a heavy, straight spike. Color beautiful white, with a pale lilac feathering on the lower petals. 7 cts. each; 75 cts. per doz.; $5 per 100.

Pink Perfection. This magnificent sort is a soft apple-blossom-pink with chamois suffusion that is very attractive. 20 cts. each; $1.75 per doz.; $12 per 100.

Prince of Wales. An early-flowering sort with fine spikes of large flowers of delicate apricot-pink suffused salmon. 8 cts. each; 85 cts. per doz.; $6 per 100.

Purple Glory. The large, ruffled flowers are deepest velvety maroon with almost black blotches and are borne on very tall, sturdy stems. A real giant in all respects. 20 cts. each; $1.75 per doz.; $12 per 100.

Reverend Ewbank. Lovely porcelain-blue with cream-colored throat. A rather different coloring and the flowers open nicely on a slender but strong stem. 25 cts. each; $2.25 per doz.; $15 per 100.

Richard Diener. Geranium-pink, with creamy yellow center, flaked carmine; ruffled. Immense blossoms on tall, stately spike. 25 cts. each; $2.50 per doz.; $15 per 100.

Rose Ash. Old-rose overlaid and blended with pink, blue, and red, giving the color of ashes of roses, hence its name. Large flowers on tall, strong spikes. Very attractive. 12 cts. each; $1.25 per doz.; $8 per 100.

Scarlet Wonder. Large, richly colored flowers of fiery crimson-scarlet. Very tall, robust plants with broad, dark green foliage. 20 cts. each; $1.75 per doz.; $12 per 100.

Schwaben. Pure canary-yellow with a carmine blotch deep in the throat. The flowers are large, borne on strong stems, well placed; frequently six to eight open at one time. 8 cts. each; 85 cts. per doz.; $6 per 100.

Twilight. Creamy buff, edges of petals flaked pink, throat primrose-yellow and pink. Splendid ruffled variety. 15 cts. each; $1.50 per doz.; $10 per 100.

Virginia. Large, massive, flaming scarlet flowers, many open at a time, making a gorgeous display of dazzling red. Good forcer. 10 cts. each; $1 per doz.; $7 per 100.

Wilbrinck. Large, flesh-pink flowers with yellowish blotch on lower petals, well placed on tall, strong stems. The first pink to bloom, together with Halley, of which it is a sport. Extra-good cut-flower and forcer. 8 cts. each; 80 cts. per doz.; $5 per 100.

Giant-flowering Mixture. An unexcelled blend of the largest possible number of fine and distinct varieties. 7 cts. each; 75 cts. per doz.; $5 per 100.

Fine Mixture. A popular low-priced mixture composed of all colors and shades. 15 cts. for 3; 50 cts. per doz.; $3 per 100; $27.50 per 1,000.

PRIMULINUS HYBRID GLADIOLUS

These new varieties, gained by crossing the large-flowered Gladiolus with the yellow African species, *Gladiolus primulinus*, are wonderfully artistic in form and dainty in color. The first hybrids produced were rather small-flowered and distinctly hooded, but the newer hybrids which we offer are nearly as large as the ordinary Gladiolus, while the tendency of the upper petal to droop has been eliminated to a considerable extent. They still retain, however, the graceful form of their Primulinus parent. On account of their tall, slender growth they are not well adapted for massing, but are unsurpassed for cutting and as specimen plants scattered in the border.

Alice Tiplady. The largest orange Primulinus, with wide-open flower, not hooded, and varying in color, the three large outer petals being rich orange and the lower inside ones lighter. It is medium early and forces splendidly. Frequently gives two stalks to a bulb. 8 cts. each; 85 cts. per doz.; $6 per 100.

Jewell. Light salmon-pink, with beautiful golden yellow throat. Flowers large and wide open on long, slender stems. Early. 10 cts. each; $1 per doz.; $7 per 100.

Maiden's Blush. Finely formed flowers of exquisite blush-pink, on wiry stems. Very free flowering and exceedingly early. Considered the best of all early Primulinus. 7 cts. each; 75 cts. per doz.; $5 per 100.

Ming Toy. Showy deep buff, with yellow throat. Large flowers on tall strong stem. Very pleasing variety. 12 cts. each; $1.25 per doz.; $8 per 100.

Myra. Deep salmon on yellow ground, with faint pink lines in throat. Very large flowers on long stems. 8 cts. each; 85 cts. per doz.; $6 per 100.

Orange Queen. Purest apricot, of a very warm tint. Large, open flowers on good stems. Justly considered one of the very choicest novelties in Primulinus Hybrids. 20 cts. each; $1.75 per doz.; $12 per 100.

Souvenir. Most superb deep yellow self. Tall-stemmed, large hooded flowers facing forward, four to six open at the same time. 12 cts. each; $1.25 per doz.; $8 per 100.

Primulinus Hybrids, Mixed. A most extensive assortment of all the newest and rarest hybrids. 7 cts. each; 75 cts. per doz.; $5 per 100.

MONTBRETIA

Montbretias are one of the brightest of the summer-flowering bulbs, giving a profusion of flowers ranging in color from golden yellow to glowing scarlet. The medium-sized, single flowers are gracefully arranged along a clear, stiff stem about 2 feet long, making a most desirable cut-flower. The dainty gracefulness of these flowers in the vase or on the plant cannot be surpassed. The plant has about the same character of growth as gladiolus and the bulbs should be handled in the same manner.

Crocosmiæflora. Fine scarlet outside, inside yellow, edged scarlet. Always produces several spikes which keep well.

Fire King. Glowing scarlet; fine branched spikes and dark green foliage.

George Davison. Pale orange-yellow, pointed petals; much-branched stems and tall.

King Edmund. Rich golden yellow, with brown markings in the center; well-branched, sturdy variety.

Star of Fire. Vermilion, throat yellow; an open flower. Desirable for its brilliant color.

Any of the above varieties, 10 cts. each; $1 per doz.; $7.50 per 100



Montbretia



Lilium auratum



Lilium speciosum



Lilium regale

HARDY LILIES (*Lilium*)

No class of plants capable of being cultivated outdoors possesses so many charms. Rich and varied in color, stately and handsome in habit, profuse in variety, and of delicious fragrance, they stand out prominently from all other hardy plants, and no herbaceous border, however select, should be without a few of its best sorts. With a well selected collection, Lilies may be had in bloom from June till October.

Lilies thrive best in a well-dug, rich soil. Deep planting is recommended—at least 6 inches deep for most, and more than that for the Speciosum varieties. For best effects place the bulbs in clumps of six or more, with at least one inch of sand beneath, over, and around each one, then cover with soil. Although these Lilies are generally known as hardy, it is advisable to cover the surface with leaves or litter in late fall as a protective measure against frost.

Auratum (Golden-banded Lily). This superb Lily has flowers 8 to 10 inches in diameter composed of six white petals, thickly studded with rich chocolate-crimson spots and a bright golden band through the center of each petal; exquisite vanilla-like perfume. This variety is peculiar in that it does not take kindly to having any kind of manure near its roots. Flowers in August.

	Each	Doz.	100
Mammoth Bulbs	$0 50	$5 50	$40 00
Monster Bulbs	70	7 00	50 00

Batemanniæ. A most beautiful Japanese variety, growing 3 feet high, with six to eight apricot-colored flowers on a stem. Blooms in July and August. 40 cts. each; $4 per doz.; $27.50 per 100.

Canadense (Canadian Bellflower Lily). One of our most beautiful native Lilies. Flowers bright yellow, with black spots. 30 cts. each; $3 per doz.; $20 per 100.

Hansoni. A very rare and beautiful Lily, unsurpassed in vigor of growth. Blooms extra early. Flowers are large, of a bright yellow, tinged orange and spotted maroon, with thick wax-like petals, appearing in clusters of eight to twelve flowers. One of the finest Lilies known and has a host of admirers. 90 cts. each; $9 per doz.



Lilium speciosum rubrum

Henryi. A rare and beautiful Lily from the mountains of China. It is very hardy, a strong healthy grower, and, without doubt, one of the best Lilies for garden culture. The flower stalks, 3 to 5 feet high, carry five to eight flowers each. In color it is a rich apricot-yellow, lightly spotted with brown. Sometimes called "The Yellow Speciosum."

	Each	Doz.	100
Mammoth Bulbs	$0 90	$9 00	$70 00
Monster Bulbs	1 25	12 00	90 00

Pardalinum (Leopard Lily). Rich scarlet and yellow flowers, spotted with rich brown. Robust and free-flowering. A very showy Lily. 35 cts. each; $3.50 per doz.; $25 per 100.

Regale (*L. myriophyllum*). A new and very rare Lily from China. The flowers are white, shading to yellow in the center, with a pink tinge in the outer edges. A strong grower, some 3 or 4 feet high. It is deliciously scented, and its extreme hardiness makes it a valuable Lily for outdoor planting. (See color plate, page 77.)

	Each	Doz.	100
Large Bulbs	$0 50	$5 00	$37 50
Mammoth Bulbs	75	7 50	60 00
Monster Bulbs	1 25	12 00	90 00

Speciosum album. A charming, late-flowering, pure white hardy garden Lily of easy culture.

	Each	Doz.	100
Mammoth Bulbs	$1 00	$10 00	$75 00

Speciosum magnificum. An enormous rich deep red flower, spotted crimson. Blooms in August.

	Each	Doz.	100
Mammoth Bulbs	$0 60	$6 50	$45 00
Monster Bulbs	80	8 50	60 00

Speciosum melpomene. White blooms, heavily spotted and overlaid with crimson.

	Each	Doz.	100
Mammoth Bulbs	$0 60	$6 50	$45 00
Monster Bulbs	80	8 50	60 00

Speciosum rubrum (*L. speciosum roseum*). Rosy white, heavily spotted with rich crimson.

	Each	Doz.	100
Mammoth Bulbs	$0 60	$6 50	$45 00
Monster Bulbs	80	8 50	60 00

Superbum. Flowers nodding, brilliant orange-red, from twenty to forty. Blooms in July. 3 to 6 ft. 35 cts. each; $3.50 per doz.; $25 per 100.

Tigrinum splendens (Improved Tiger Lily). Bright orange-red, spotted with black; very showy; 4 to 5 ft. 25 cts. each; $2.75 per doz.; $20 per 100.

Tigrinum flore-pleno (Double Tiger Lily). Double, showy flowers of orange-red, spotted with black. 30 cts. each; $3 per doz.; $22.50 per 100.



Peace | Anna Eberius | Byron L. Smith | Alice Tiplady | Mrs. Dr. Norton | Mr. Mark | Le Marechal Foch | Crimson Glow | Golden Measure

Waterer's Collection of Superb Gladiolus

From many hundred glorious Gladiolus, we chose the nine beauties illustrated in color above to represent, as nearly as possible, a fair range of color and type. To the novice in Gladiolus-growing, selection from the catalogue is more or less uncertain because it is impossible to convey sufficiently detailed and illuminating descriptions in cold type. As all Gladiolus are beautiful, no one can go far astray in choosing, if they merely want beautiful flowers. But to get the choicest sorts, to be sure of genuine unfailing satisfaction and enthusiasm, it is best, at first, to follow the guide of some one more experienced.

We picked the above nine and illustrated them accurately in color because we like them, and we know that anyone who plants them will not fail to have an awfully good time growing them and reveling in their unparalleled loveliness.

We strongly recommend, therefore, that new Gladiolus enthusiasts follow our advice this season and take advantage of our knowledge and judgment in this collection. Those who are Gladiolus-wise will find this collection convenient and economical to increase their stocks and add varieties which they may lack.

Collection No. 1: 2 each of the above for $1.85 ppd. | **Collection No. 3: 6 each of the above for $4.75 ppd.**
Collection No. 2: 4 each of the above for $3.50 ppd. | **Collection No. 4: 12 each of the above for $8.50 ppd.**

Regal Lily (*Lilium myriophyllum*)



This marvelous Lily from western China is admittedly one of the most beautiful of a large and very beautiful family of garden flowers. Unlike many of the other very fine sorts, it is exceedingly easy to grow, blooming from very small bulbs and increasing rapidly in size and strength from year to year. It grows 3 to 5 feet high, blooms outdoors in July, is perfectly hardy, and flourishes under widely varying conditions. The large, trumpet-shaped, delicately scented flowers are ivory-white, shaded mauve or purple-pink on the outside, tinged with a glorious canary-yellow glow suffusing the center of the flower. It is also excellent for forcing.

Large bulbs, 50 cts. each.; $5 per doz.; $37.50 per 100.
Mammoth bulbs, 75 cts. each; $7.50 per doz.; $60 per 100.
Monster bulbs, $1.25 each; $12 per doz.; $90 per 100.

WATERER'S EVERBLOOMING DOZEN


Independence Day


Lady Ashtown


Red Radiance


Los Angeles


Mme. Butterfly


Mrs. Aaron Ward


Laurent Carle


Souv. de Claudius Pernet


Radiance


Jonkheer J. L. Mock


Hoosier Beauty


Kaiserin Auguste Viktoria

2-year-old pot-grown plants. One each of any 6 of the above Roses, $6.50. One each of the above 12 Roses, $12

All of these Roses bloom from June until freezing weather, providing fine flowers for cutting. Plant several of these collections to insure having abundance of flowers.

WATERER'S CHOICE BEDDING AND DECORATIVE PLANTS

NOTE.—THESE PLANTS, EXCEPT AS NOTED, CANNOT BE SHIPPED OUT OF THE JAPANESE BEETLE AREA



Blue Perfection Ageratum

Agapanthus umbellatus · African Lily

A splendid ornamental plant, producing a profusion of large clusters of bright blue flowers on long stems and lasting a long time in bloom. When planted in large pots or tubs, there is no finer plant for lawn, terrace, or piazza. Plants from 5-in. pots, 75 cts. each.

Ageratum, Blue Perfection · Floss Flower

One of the best bedding plants, as it can be depended on to bloom continually during the summer. It is particularly valuable on account of a scarcity of blue among our bedding plants. Plants from 4-in. pots, 35 cts. each; $3.50 per doz.

Aloysia citriodora · Lemon Verbena

A well-known plant that is valued for the odor of its foliage. Plants from 3-in pots, 30 cts. each; $3 per doz.

Alyssum, Little Gem

A dwarf white variety that is fine for edging. Plants from 2¼-in pots, $1.50 per doz.

Antirrhinum · Snapdragon

This old favorite is one of the most beautiful and useful border plants of our gardens. Its graceful flowers are borne on long stems and in the greatest diversity of colors. The spikes of flowers are most brilliant and showy. **Half-Dwarf Pink, Scarlet, White,** and **Yellow.** 15 cts. each; $1.50 per doz.; $10 per 100.

Asters, Giant Comet

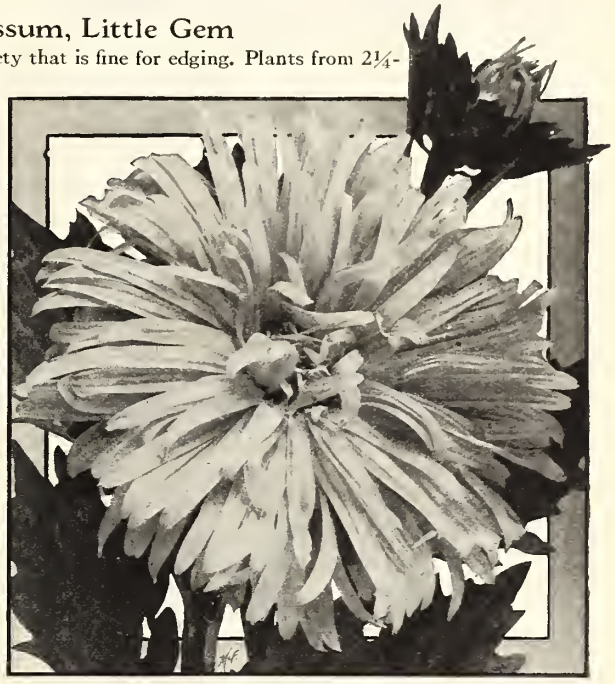
An ideal class for cut-flowers, being not only most profuse bloomers, but each flower is borne on a stiff stem and resembles an exquisitely curled and twisted Japanese chrysanthemum. 2 feet. $1 per doz.; $7.50 per 100.

Begonias

Everblooming Bedding Varieties

Gracilis, Luminosa. Large, bright scarlet flowers. Reddish brown foliage.
Gracilis, Prima Donna. Forms a broad, full bush with dense foliage. The flowers are a brilliant clear pink, shading to carmine rose.

All Begonias, plants from 4-in. pots, 35 cts. each; $3.50 per doz.



Giant Comet Aster

CHOICE CANNA PLANTS

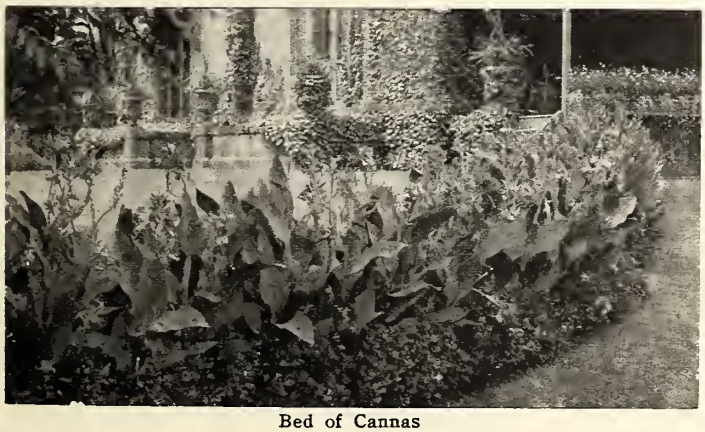
Ready about May 10

No other flower will make such an attractive bed. Their rapid growth, freedom of bloom, and ornamental foliage make them very desirable for planting in beds, on lawn, or in border. **Cannas can be shipped out of Japanese Beetle area.**

Bronze Foliage

King Humbert. 5 to 6 ft. Its flowers, which, under ordinary conditions measure 3 inches in diameter, are produced in heavy trusses of gigantic size, are of a brilliant orange-scarlet, with bright red markings, while the foliage is broad and massive and of a rich coppery bronze, with brownish green markings. 30 cts. each; $3 per doz.; $20 per 100. Roots, 20 cts. each; $2 per doz.; $12.50 per 100.

Wyoming. 6 ft. Bronze-purple foliage and immense spikes of large, massive orange flowers. 30 cts. each; $3 per doz.; $20 per 100.



Bed of Cannas

Red-flowering, Green Foliage Cannas

Carmine Beauty. 4 ft. Bright deep carmine flowers, produced freely in large trusses well above the heavy dark green foliage. The intense coloring and freedom of flowering make it remarkably attractive. 30c. each; $3 per doz.; $20 per 100.

Cheerfulness. 3½ ft. Its beautiful bright fire-red or deep orange flowers appear early and continue without interruption until frost. 30 cts. each; $3 per doz.; $20 per 100.

Dazzler. 3½ ft. Masses of fire-red flowers, heightened by an orange suffusion, completely cover the dark green foliage of this splendid and most effective variety. 30 cts. each; $3 per doz.; $20 per 100.

Lahneck. 4 ft. Rosy carmine flowers with scarlet suffusion and narrow golden yellow border. 30 cts. each; $3 per doz.; $20 per 100.

The President. 4 ft. This splendid variety produces immense flowers of a rich, glowing scarlet. It is superior in quantity and quality of bloom to any other red Canna. Green foliage. Widely used in parks for brilliant mass effects. 30 cts. each; $3 per doz.; $20 per 100. Roots, 20 cts. each; $2 per doz.; $12.50 per 100.

Pink-flowering, Green Foliage

Hungaria. 3½ ft. A magnificent variety of strong, robust habit, with enormous trusses of deep pink flowers carried well above the foliage. One of the best pink sorts. 30 cts. each; $3 per doz.; $20 per 100.



Bed of Geraniums

Pink-flowering, Green Foliage Cannas, continued

Rosea Gigantea. 4 ft. A giant in size of flower and general worth. The blooms are a charming shade of soft rose, shading to carmine-pink, particularly clear and pleasing to the eye. A wonderful bloomer and a fine grower. 30 cts. each; $3 per doz.; $20 per 100. Roots, 25 cts. each; $2.50 per doz.

Uhlberg. 3½ ft. Entirely distinct. The flowers expand very fully and are of a soft rosy carmine, with creamy yellow throat and edges of the petals. 30 cts. each; $3 per doz.

Yellow-flowering, Green Foliage

Favorite. 4½ ft. Deep golden yellow flowers, overspread with minute red dots which, however, do not detract from the general color effect—a pretty golden yellow. Vigorous growth and handsome foliage. 30c. each; $3 per doz.; $20 per 100.

Golden Eagle. 4 ft. A very free and early-blooming Canna of a clear golden yellow color, throwing its showy trusses well above the foliage. No other pure yellow equals it in all-round worth and effectiveness. 50 cts. each; $5 per doz.

The Gem. 4½ ft. The immense trusses of flowers are borne on upright, branching stems, well above the foliage and are of deep cream or straw-yellow, dotted with carmine. Very attractive and unusually refined. 30 cts. each; $3 per doz.

Yellow King Humbert. 5 to 6 ft. Possesses the vigor, freedom, and size of bloom of the old King Humbert variety, but has bright green foliage and produces large masses of yellow flowers dotted with red. 30 cts. each; $3 per doz.; $20 per 100. Roots, 20 cts. each; $2 per doz.; $12.50 per 100.

Coleus

Familiar to all, and it cannot be excelled for bedding purposes. The foliage is very beautifully marked in many shades, yellows and reds predominating.

Golden Bedder. Golden yellow. The old original Coleus. True to name.
Queen Victoria. Cardinal-red with distinct golden border.
Verschaffelti. Standard crimson.

All Coleus, plants from 2¼-in. pots, $1.25 per doz.; 4-in. pots, $3.50 per doz.

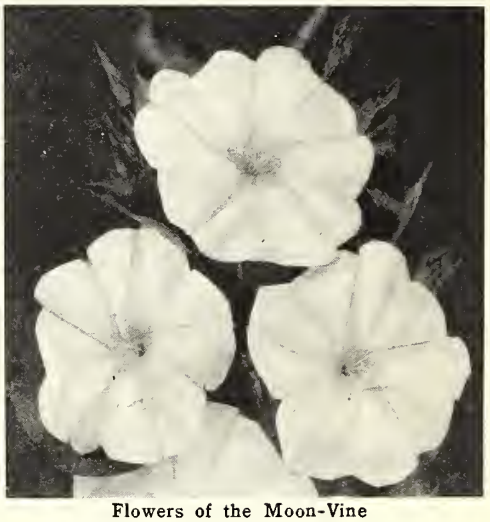
Dracæna Indivisa

This variety is used extensively as a center plant for vases and for porch and window-boxes. It will stand full exposure to the sun and its long, graceful, narrow leaves make a beautiful contrast with other plants. Plants from 4-in. pots, 50 cts. each; 5-in., 75 cts.; 6-in., $1.25.

Geraniums

Alphonse Ricard. The handsome, perfectly formed, semi-double flowers of a bright vermilion-scarlet are produced in profusion.
Beaute Poitevine. A great favorite and conceded to be one of the best of the semi-double bedders. The color is a beautiful shade of pink.
La Favorite. One of the finest double whites in its class. Pure in color. The pure white flowers are enormous.
S. A. Nutt. Handsome, dark, velvety scarlet flowers with maroon shading. A vigorous, clean, compact grower.

All Geraniums, plants from 4-in. pots, 35 cts. each; $3.50 per doz.



Flowers of the Moon-Vine

Heliotrope

Its delightful perfume makes it a most desirable bouquet flower, and it is also a splendid bedding plant. Plants from 4-in. pots, 35 cts. each; $3.50 per doz.

Hydrangea opuloides Otaksa

Used extensively at the Atlantic seashore resorts, producing immense heads of usually pink but sometimes blue flowers. Plants from 5-in. pots, 75 cts. each, $7.50 per doz.; 6-in., $1.25 each, $12 per doz. **These can be shipped out of Japanese Beetle area.**



Petunias

Lantanas

Quite popular on account of their bright, showy colors, running through scarlet, yellow, pink, and lavender. Plants from 4-in. pots, 35 cts. each; $3.50 per doz.

Moon-Vines

A quick-growing vine, with rich green foliage. Best vines for covering porches, etc. At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers. Plants from 4-in. pots, 35 cts. each; $3.50 per doz.

Petunias, Giant Fringed

The largest flowering of all, and the most beautifully marked. The blooms have finely fringed edges and very deep wide-open throats. Mixed colors, plants from 4-in. pots, 35 cts. each; $3.50 per doz.

Salvia · Scarlet Sage

This gorgeous and effective bedding subject is by all means the most conspicuous and useful of the late summer-flowering annuals. It produces its showy, scarlet spikes in the greatest profusion from July until frost. $1 per doz.; $7.50 per 100.

Vinca · Periwinkle

Variegated. A beautiful white and green trailing vine adapted to window-boxes, hanging-baskets, and vases. Plants from 4-in. pots, 35 cts. each; $3.50 per doz.

Zinnias, Giant Double · Youth and Old Age

A splendid annual for bedding or cutting purposes. $1 per doz.; $7.50 per 100.

NOTE.—All Plants are forwarded by express, purchaser paying charges. No plants sent C. O. D.



ROSES FOR YOUR GARDEN

Few plants, indeed, give greater satisfaction and more joy to the garden-lover than the Rose, and few are as easily grown, so that even the amateur, who has never tried it before, has the assurance of success if simple directions are followed. The modern everblooming or Hybrid Tea Roses offer the widest range for selection. These Roses bloom continuously from June until frost and give the greatest satisfaction. Many recent developments have outclassed former favorites, and our list includes only the finest, sturdiest, and hardiest of the modern everblooming sorts. Dormant Roses are strongly recommended and they should be planted as soon as possible after the ground has opened, preferably during April and early May. After May 15, when growth has started, we ship pot-grown plants.

Planting. We recommend spring planting of 2-year-old stock that has been prepared far in advance by being potted up in the fall and carried through the winter in coldframes. These plants have an active, fibrous root system and are shipped during the month of May. They are in bud at all times during the season and ready to begin blooming at once. The ball of earth surrounding the roots should be planted 3 inches below the surface of the soil and thoroughly watered. Grafted or budded Roses are more vigorous, produce more and better flowers, are more hardy and are less susceptible to disease. If planted as directed, wild suckers will rarely appear. These may be easily detected as they always appear below where the plant is grafted.

Summer Culture. The Rose-bed should be cultivated every week, and a light syringing during the latter part of the day is beneficial. During dry periods, thoroughly soak the bed until the water is not immediately absorbed, and after watering, the bed should be cultivated as soon as the ground can be worked.

Insects. For green fly or aphis, we recommend a solution made of one heaping tablespoonful of soft soap dissolved in three gallons of water. To this add a tablespoonful of Black-Leaf 40. This, applied in a fine spray, will prove an infallible remedy.

Pruning. Hybrid Perpetuals should be pruned as early in spring as the weather permits—not in the fall. Thin out weak shoots and side growths and cut back the remaining wood to from two to eight eyes. Hybrid Tea and Tea Roses require the same treatment as the Hybrid Perpetuals. Cut the weak-growing varieties nearly to the ground and they will produce excellent flowers in June. Climbing Roses require the pruning out of all wood that is over two years old; the remaining wood should not be pruned until after flowering.

Substitution. Please Read. We will not book an order unless we are reasonably sure that it will be completed at the proper time. However, if, through circumstances beyond our control, a variety may not be in condition to ship at planting-time, we will substitute an equally good or better variety in the same color.

SIX CHOICE HYBRID TEA ROSES

DAME EDITH HELEN. Shapely buds and substantial, high-centered blooms of clear pink, sweetly scented and freely produced on long, strong stems. Vigorous. Most remarkable for the number and beautiful arrangement of its petals, and its color is always good. $1.25 each.

JOHN RUSSELL. Large, ovoid buds and immense crimson flowers of the old-time globular type with the famous exhibition center. Plant exceptionally strong and vigorous. $1.50 each.

MRS. BEATTY. An exquisite self-colored light lemon-yellow with the delightful perfume of the old favorite Maréchal Niel. It has large, long, oval, pointed buds. Habit of growth good, with disease-immune foliage; always in flower. $1.25 each.

MRS. ERSKINE PEMBROKE THOM. Generally conceded to be immensely superior for garden planting to Souvenir de Claudius Pernet and others of that type. The fine long buds open into perfectly shaped, open flowers of rich lemon-yellow. Very vigorous and continuously in bloom. $1.50 each.

TALISMAN. The most astounding novelty in Roses produced in many a year. Its brilliant orange-red buds open to a large, fragrant, high-pointed bloom of glowing golden yellow, stained with copper-red and orange-rose on the inside of the petal. It is the most magnificently colored flower we have ever seen and arouses astonishment and admiration everywhere. The plants have proved vigorous and healthy outdoors and have withstood severe winters unprotected. It is especially good in spring and late autumn. $2 each.

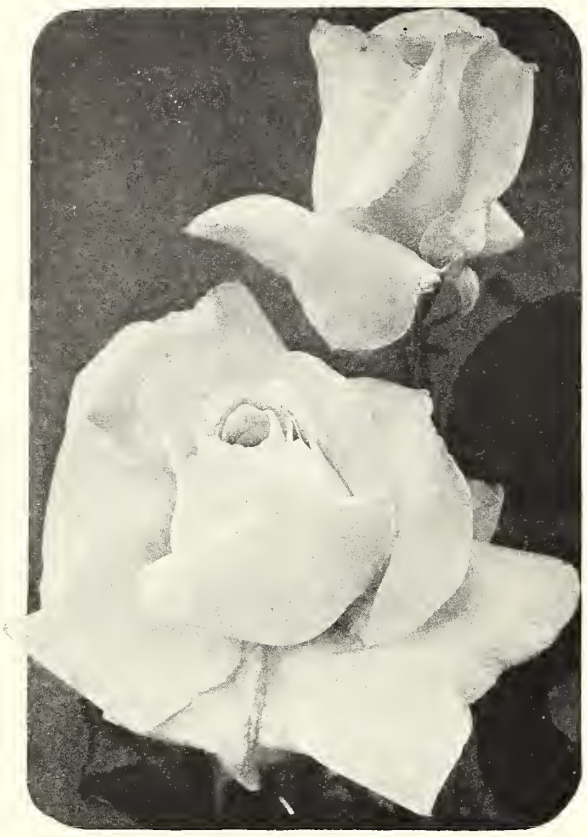
WILHELM KORDES. Unique and entirely distinct in coloring—a rich capucine-red, with coppery suffusion, overlaying a golden salmon ground, varying in intensity under different weather conditions, but always beautiful and particularly high-colored early in the season and in the autumn. The buds are long and pointed, opening to double, high-centered, very fragrant flowers. The foliage is strong, leather-like, and resistant to mildew. $1.50 each.

1 of each of above 6 Roses $8 50
2 of each of above 6 Roses 16 00



Talisman

How to Grow Roses. A new edition of Robert Pyle's book, completely revised and brought down-to-date. $2.



Lady Ashtown

Select Hybrid Tea Roses

All Hybrid Tea Roses on this and the next page, $1.25 each; $12 per doz.; $90 per 100, except where noted

Angèle Pernet. Distinct in color—a rich, vivid, coppery orange-yellow which is not approached by any other Rose.

Betty. It is of the type of the Killarney Rose, and has a truly unique color—ruddy gold. Blooms extremely large, fairly full, of glorious form, deliciously perfumed.

Betty Uprichard. A pretty combination of colors: inner face of petals delicate salmon-pink to carmine, outside glowing carmine with coppery sheen and orange suffusion; well-formed medium-sized flowers of good substance and sweet scented.

Château de Clos Vougeot. Beautiful rich, brilliant scarlet flowers shaded fiery red, changing to dark velvety crimson as the blooms expand; very double; intensely fragrant. A perpetual bloomer.

Columbia. One of the finest of the forcing or greenhouse Roses, but also a leader among garden varieties. The fragrant blooms are a lovely peach-pink, shading to a deeper pink at the center and are very freely produced. It is a strong grower, almost thornless with heavy, luxuriant foliage. The flowers are produced during late summer and fall, and are exceptionally good. Very free and fragrant.

Duchess of Wellington. A gem among Roses, and the most vigorous growing of the yellow kinds. It has a healthy, luxurious habit, is not subject to mildew, and can be depended on to bloom throughout the season. Color, intense saffron-yellow, becoming deep copper-yellow as the flower expands, occasionally stained rich crimson. The flowers are of good size, splendid form and are carried on stout stems. While the wood is apt to die back to the ground in a severe winter, it invariably develops a strong flowering growth by June.

Edel. A British introduction of exhibition quality, producing large, beautifully formed flowers of ivory-white, passing to pure white. A strong grower of uniform habit and very free flowering, opening in all weathers and delightfully fragrant.

Eldorado (Land of Gold). In this we have an exact counterpart of Miss Lolita Armour, in the large, distinctly formed flowers, vigorous growth, and free-flowering habit and fragrance, but in color it is of the golden yellow that is peculiar to the climbing Rose, Maréchal Niel, with the base of the petals slightly tinted red.

Elegante. Long, sulphur-yellow buds, developing into large, full, creamy yellow flowers. A strong, vigorous grower and very free flowering.

Etoile de Hollande. Particularly healthy growing, free-flowering bedding Rose with large, brilliant red flowers, perfect in half-expanded form. $1.50 each.

Golden Emblem. A most beautiful clear yellow, occasionally flaked with crimson on the outer petals; wonderfully well-shaped buds and flowers on long stems, with rich glossy green foliage.

General MacArthur. Large, deep velvety scarlet flowers, usually borne singly on long, rigid stems, but of a good branching habit. Remarkably free in flowering, even under the most unfavorable weather conditions.

Gruss an Teplitz. Bright scarlet-crimson flowers, with vivid, fiery red center. It is quite hardy and extremely free flowering. This is essentially a garden Rose and we recommend it with the utmost confidence. It is much more vigorous in growth than most other Hybrid Teas and ought to be planted in a separate bed.

Hadley. Rich crimson, varying to deep velvety crimson; vigorous, branching growths, each terminating in well-formed, intensely fragrant flowers which are produced continuously.

Hoosier Beauty. Large, beautifully formed, deep, glowing crimson flowers with darker shadings, carried on vigorous, branching stems. This is a splendid garden Rose.

Imperial Potentate. Splendidly shaped buds, opening to large, well-formed, double flowers of crisp, glistening rose-pink with silvery suffusion at the base of the petals, sweetly scented. At the International Rose Test-Garden, at Portland, Oregon, this variety was awarded the Silver Medal of the American Rose Society, and the Gold Medal of the city of Portland for the best bush Rose shown.

Independence Day. An entirely distinct and novel color that at once arrests attention—a rich orange-apricot suffused with sunflower-yellow. Very freely produced and delightfully fragrant.

Jonkheer J. L. Mock. Carmine outside, inside imperial pink, with a silvery rose-white reflex. The flowers are produced with the greatest freedom on strong, erect stems, and the general growth is erect and vigorous. Very fragrant. This Rose has been awarded one silver and two gold medals. It is a wonderful grower and exceptionally fine in midsummer.

Kaiserin Auguste Viktoria. An old variety but still one of the best, and it should be in every collection. In color it is a soft pearly white tinted with lemon.

Killarney. The Killarney Rose is perhaps the most widely known and popular garden variety. It is a strong grower of robust appearance. The long, pointed buds open into large, well-formed flowers, handsome in full bloom, and in color a sparkling cerise-pink, shading to a lighter pink at the base of the petals.

Killarney Brilliant. A sport from the original Killarney Rose but much more intense and rich in color, varying from bright pink to deep rosy carmine. The flowers are of great substance and are very fragrant. Very free blooming and excellent for cutting.

K. of K. (Kitchener of Khartoum). An exceptionally free-flowering variety for garden effect. The brilliant scarlet buds open to brilliant, semi-double, fragrant flowers.

Lady Ashtown. Long-pointed buds, opening to deep pink flowers, with base of petals silver-pink. Very free flowering.

Lady Hillingdon. Blooms a beautiful coppery shade of apricot-yellow, lovely in the bud. A strong, vigorous grower and very free flowering. This is a Tea Rose, very hardy for its class, needing little more protection than the Hybrid Teas. Discriminating growers consider it one of the most beautiful Roses.

Lady Pirrie. The delightful buds open quickly to semi-double flowers with large, frilled petals varying in color from coppery fawn to pale pink; not very fragrant. Plant very good, blooming in immense trusses; healthy and hardy.

Laurent Carle. Produces its large, deliciously scented, brilliant carmine flowers throughout the season, nearly as good in hot, dry weather as under more favorable weather conditions. A vigorous grower.

Los Angeles. In color a luminous flame-pink, toned with coral and shaded with translucent gold at the base of the petals. The buds are long and pointed and expand into a flower of mammoth proportions whose beauty of form and ever-increasing wealth of color are maintained from the incipient bud until the last petals drop. In fragrance it is equal in its intensity to the finest Maréchal Niel. The growth is vigorous to a degree.

Louise Catherine Breslau. Remarkably bright reddish orange buds, opening to large, globular, fairly full flowers that pale to light orange with age, and are not very fragrant. The bush is spreading and dwarf. Foliage very beautiful, almost holly-like.

Mary Pickford. An exquisite light yellow Rose, stained on the reverse of the outer petals with salmon, blush, and orange. A strong, vigorous grower.

Miss Lolita Armour. The unique coloring of this novelty is a combination of tints difficult to describe. The flowers are of large size, full double, with petals of great substance, and delightfully fragrant. As the flowers expand they develop to a deep coral-red with a golden, coppery red suffusion, the base of the petals a rich golden yellow with coppery red sheen. A Rose on which you can rely for splendid blooms all summer.

SELECT HYBRID TEA ROSES, continued

Mme. Alexandre Dreux. This Rose, while not large, has become prominent on account of its distinct, brilliant color and beautifully shaped buds of a coppery golden yellow, which develop into high-centered, full flowers with reflexed petals of deep yellow splashed with orange.

Mme. Butterfly. Fine, light pink buds and flowers, tinted with gold near the base of the petals, of exquisite shape and richly perfumed. Plant is strong, throwing up big branching sprays of bloom.

Mme. Caroline Testout. Flowers large, full, globular, satiny rose, with bright center; very free and fragrant. This Rose is grown more extensively than any other, and we are of the opinion that it is still one of the finest garden Roses in cultivation.

Mme. Edouard Herriot. Sparkling buds of coral-red and orange, opening to large, semi-double flowers of indescribably brilliant orange-red and salmon. Plant is moderately strong and very free-flowering.

Mme. Jules Bouche. While not a pure white, it being at times slightly tinted with blush on the reverse of the petals, we consider it one of the best white bedding Roses. It is quite double, and of fine form in bud as well as in the fully expanded flower. A strong grower and very free-flowering.

Mme. Leon Pain. Entirely distinct in color—a silvery salmon, with deeper orange-yellow shaded center, the reverse of petals salmony pink. Very free-flowering.

Mme. Ravary. A charming bedding Rose. The beautiful, cup-shaped blooms are deep nankeen-yellow, shading lighter as the flower expands. Very sweet and free.

Mrs. Aaron Ward. Deep Indian-yellow at the center of the flower, shading to primrose-yellow toward the edges of the petals, the whole occasionally washed soft salmon-pink as the flower expands. The color is somewhat variable with changing weather conditions but always beautiful. Hardy and floriferous. This is one of the best Roses in this color.

Mrs. Arthur Robert Waddell. An attractive Rose of a distinct color that everyone likes—a delicate, soft, rosy salmon, suffused with a golden sheen. It is a free-flowering garden variety that should be in every collection.

Mrs. Charles Lamplough. The blooms are a most refined and pleasing soft tone of light lemon, and of wonderful size, depth, and substance; very sweet-scented. A vigorous grower, producing its splendid flowers throughout the season.

Mrs. C. W. Edwards. Rich rosy scarlet, overlying an orange ground, the base of the petals prettily zoned citron-yellow which runs in faint veinings into the higher colors—a novel color combination. Strong, vigorous habit of growth; very free-flowering, with large, full, fragrant flowers.

Mrs. Redford. Bright apricot-orange, one of the most lovely of this tone of color. An upright grower with holly-like, mildew-proof foliage. The flowers are substantially built, perfect in form, very free-blooming.

Mrs. Wakefield Christie-Miller. Inside of petals soft pearly blush, shaded salmon; outside clear vermilion-rose, illumined with lighter shadings. The flower is unusually large and quite distinct in form, having the desirable build of the Hybrid Perpetual. The petal margins are daintily waved, giving the flower a full-blown appearance on opening. It ranks high as a garden Rose.

Ophelia. Any description of the color of this Rose can only be a partial one, and gives but a faint idea of the superb beauty and richness of the shades—salmon-flesh, shaded with rose. Buds of unusual attractiveness, opening full and double. Habit excellent, growth strong, producing flowers on long stems, well up above the foliage, and in great profusion all summer. Hardy in almost all localities. Grand for forcing or outdoors.

Premier. One of the most magnificent dark pink Roses. The large, full, perfect blooms are produced on almost thornless stems and are a rich deep rose color. A robust grower, producing splendid blooms all season.

Prince de Bulgarie. Large, full, double, fragrant flowers of lovely form which are produced abundantly throughout the season. A good reliable bedder of a silvery flesh color, deepening to the center, with delicate salmon-rose shadings.

Radiance. An American-bred Rose of so many excellent qualities that it may be considered the best bedding Rose in this color. Flowers large, perfect in form, and produced freely. The vigorous, branchy growth invariably terminates in one or more flowers of a bright, carmine-salmon shade, mingled with rose, shading to a coppery yellow at the base of the petals. The American Rose Society officially recognized its merit by awarding it a Silver Medal in 1914, as the most valuable garden Rose in this climate—the highest distinction yet awarded a bedding Rose in America.

Red Radiance. A clear, cerise-red sport of Radiance introduced in 1916 and now recognized as a garden Rose of unusual merit. It has the same free-flowering qualities as its parent, being in bloom continuously during the season. The growth is even more robust and vigorous, carrying the large and well-formed flowers on heavy, erect stems.

Rev. F. Page-Roberts. The large, full, well-formed flowers have a sweet, fruity scent and in color are a rich Maréchal Niel yellow, occasionally veined with buff markings in the bud. Strong, vigorous grower. A Rose of great merit. $1.50 each.



Mme. Alexandre Dreux

Rose Marie. The ideal long buds open into large flowers of splendid form and substance, in color clear rose-pink with delicate lighter edge, and delightfully fragrant. A vigorous, healthy grower remarkable for its freedom of bloom.

Sir David Davis. We do not hesitate to select this as one of the best red bedding Roses. It is an unfading, deep glowing crimson of an even shade throughout, running to light yellow at the base of petals. The flowers are of good size, pointed, and of good form, with large, heavy petals and strong, sweet scent.

Souvenir de Claudius Pernet. We give below Mons. Pernet-Ducher's own description. "A most vigorous grower of erect branching habit, beautiful, brilliant green foliage, long pointed buds of exquisite shape, carried on long, stiff stems. Very large, full flowers with elongated deep petals—a beautifully formed bloom. Color most striking sunflower-yellow, deeper in the center, without any color blending, and which is retained without fading even in the warmest weather."

Souvenir de Georges Pernet. This stands at the head of the list of the many valuable garden Roses that have been produced by Mons. Pernet-Ducher. It is a strong, vigorous grower and produces a profusion of its large flowers, which are beautiful in both bud and fully developed bloom. They are a beautiful color—an intense Oriental red, shading to cochineal-carmine at the margin of the petals, the whole being suffused with a golden sheen.

Una Wallace. In color quite distinct from any other Rose—a beautiful, soft, even-toned cherry-rose without shading. In depth, formation, and substance it is faultless.

William F. Dreer. A beautiful Rose of the same parentage as Los Angeles, and which, for delicacy of coloring, is not comparable to any other variety. The flowers, which are similar in shape to Los Angeles, and like that variety, beautiful in all stages, are at their best in the half-expanded flower. These, in expanding, are of a soft, silvery shell-pink, and at certain stages of development a golden suffusion illuminates the entire flower, giving it a warm sunset color unlike any other Rose.

Willowmere. This splendid Rose is of a coral-red color, suffused with carmine in the bud state, and opens to a large, full, handsome flower of a rich shrimp-pink, shaded yellow in the center and flushed carmine-pink toward the edges of the petals.

The Old-Fashioned China Rose

Hermosa. Medium-sized, symmetrically double flowers of soft pink, borne in sprays on stout, healthy plants, always in bloom. $1.25 each; $12 per doz.



Hardy Hybrid Perpetual Roses

There is little question that Hybrid Perpetual Roses, or "June Roses," as they are sometimes called, are the most valuable of all hardy plants. They are of vigorous, upright growth, have large, bold flowers, frequently measuring 5 to 6 inches in diameter, and are deliciously fragrant. These Roses will succeed in any locality and are so hardy that they will live through the severest winters with but a light protection of leaves or coarse manure. Some of the kinds do not bloom until the second year, but, when fully established, they all bloom freely at the usual time, early in the season. The Hybrid Perpetuals will withstand hardship and neglect, but give much better results with good cultivation and rich soil. Always plant in open ground as these Roses are not suitable for house culture.

Any of the Hybrid Perpetual Roses, $1.25 each; $12 per doz.; $90 per 100

Anna de Diesbach. Large, fragrant, well-shaped blooms of clear, bright carmine-rose. Free and continuous.

Frau Karl Druschki. Pure white in color, perfect in form, and very free-flowering. The best white variety which, although usually listed as a Hybrid Perpetual, has all of the valued characteristics of a Hybrid Tea.

General Jacqueminot. This magnificent variety, known for over a half-century as the "Jack Rose," is entirely too well known to require description. Flaming scarlet.

George Arends. The long, delicately shaped buds and deep-petaled, pointed blooms are of a soft pink in its most exquisite shade and delicately scented. Plant very vigorous, grows 5 to 6 feet tall. Fine, wavy foliage. Blooms sparsely through the summer and fall.

Magna Charta. Bright pink, suffused with carmine. Vigorous in growth and very hardy. A beautiful and well-known variety.

Mrs. John Laing. One of the very best Roses for all purposes. The beautiful, soft pink flowers are very large, of perfect form, and exceedingly fragrant. Hardy and vigorous in growth, the stems often attaining a height of 5 to 6 feet, and almost invariably producing a flower.

Paul Neyron. The flowers are immense—probably the largest and finest Rose. They are bright, shining pink, clear and beautiful, very double and full.

Ulrich Brunner. Large, full, globular, cherry-red flowers are borne in profusion on long stems. A hardy and free-flowering garden Rose of innumerable good qualities.

Baby Rambler and Dwarf Polyantha Roses

These are delightful for massing in beds or as edges for borders. They are most profuse and continuous bloomers, and their small, neat flowers are produced in large clusters.

Cecile Brunner (The Sweetheart Rose). Dainty, double flowers of soft pink, growing in graceful sprays.

Chatillon Rose. Silvery crimson blooms, shading to white in center, are produced in great sprays of from fifteen to thirty on a branch, and remain in good condition without shedding a petal for several weeks.

Ideal. This dwarf-growing Polyantha is of great merit. Flowers dark amaranth-red, produced in large clusters. An ideal variety, as its name implies, for giving satisfaction and results.

Katharina Zeimet. Small, very double, pure white flowers, quite fragrant, borne in large clusters on vigorous, faithfully blooming plants.

Lafayette. A strong-growing, very profuse-flowering Polyantha. It is crimson-scarlet in the bud, developing as it expands to a brilliant rosy cerise. The flowers are borne in clusters of good size, the individual blooms being about the size of Paul's Scarlet Climber.

George Elger. Lovely yellow buds and delicately formed flowers, paling with age, borne in graceful sprays. Moderate grower and continuous bloomer.

Miss Edith Cavell. Brilliant scarlet-red with darker shadings. One of the most desirable deep-colored varieties.

Mme. Norbert Levavasseur (Crimson Baby Rambler). Similar in color to the climbing Crimson Rambler. Very popular.

Orleans. One of the best. Flowers comparatively large, of brilliant geranium-red, becoming suffused with rose as they mature, and having a large white center.

Any of the above, $1 each; $10 per doz.



Types of Baby Rambler or Polyantha Roses



Rosa Rugosa

Rugosa Roses and Their Hybrids

Rugosa Roses are particularly valuable for their hardiness, healthiness, and their ability to thrive under most adverse conditions of soil and climate. They form sturdy bushes 4 to 6 feet high, covered with handsome crinkled flowers. The single sorts flower almost continuously, and are equally as attractive during the autumn and winter when covered with their large brilliant red seed-pods.

Blanc Double de Coubert. Flowers pure white, double, produced freely during summer and autumn. The best double pure white Rugosa.

Conrad Ferdinand Meyer. Very large flowers of light silvery pink on strong stems. Plant is very strong grower. Truly the handsomest Rugosa. Very hardy.

F. J. Grootendorst. Small, bright red flowers produced in clusters freely throughout the entire season. The plant is very strong, up to 6 feet or more, with large foliage. This variety combines the everblooming habit of the Polyanthas with the strong growth of the Rugosa. Will make a beautiful everblooming hedge.

Rosa rugosa. Large, single flowers varying in color from shades of pink to rosy crimson. Flowers early and continues flowering all summer.

Rosa rugosa alba. This is the white from of the above variety.

Any of the above, $1 each; $10 per doz.

Rosa Hugonis

The light yellow flowers, 1½ to 2½ inches across, borne profusely along the slender branches, make a striking display very early in the season. It is of shrub-like habit of growth and naturally forms symmetrical bushes about 6 feet high, and the same in diameter, and while not suited to plant in the Rose border, it is an invaluable subject when planted in connection with other shrubs or as single specimens in the garden. $1.25 each; $12 per doz.

Austrian Briars

Austrian Copper. Single flowers of intense copper-red, reverse of petals bright golden yellow, produced singly on short stems along the branches. Hardy, and very strong when thoroughly established. Blooms very early, and requires a dry, rather sheltered situation.

Harison's Yellow. Semi-double, bright yellow flowers covering the plant early in the spring. Very vigorous, hardy, and perfect; healthy foliage.

Persian Yellow. The double, deep golden yellow flowers are produced along the canes of the plant in late spring or early summer.

Any of the above, $1 each; $10 per doz.

Hardy Climbing and Rambler Roses

Suitable for training over arbors, porches, fences, or other objects. All bloom profusely and are hardy under most conditions. Single varieties in your Rose-garden will add much to its attractiveness.

All Hardy Climbing and Rambler Roses, $1 each; $10 per doz.; $75 per 100, except where noted

Alida Lovett. Bright shell-pink flowers of Hybrid Tea size and quality, lightly shaded with sulphur-yellow at base of the petals; faintly perfumed. Plant extra strong.

American Pillar. A single-flowered variety, bearing pink flowers in heavy trusses. It retains its foliage until late in the fall and is very ornamental.

Climbing American Beauty. A fine, free-blooming climber of excellent habit, strong and vigorous in growth, making heavy 10 to 15-foot canes in a single season. Very fragrant, rosy crimson flowers, produced freely in June and occasionally throughout the season.

Christine Wright. Very large, double, wild-rose pink flowers in large clusters. Growth is strong and produces occasional flowers in the autumn. This is considered one of the best climbing Roses.

Dorothy Perkins. A splendid variety with bright, glossy foliage that always looks healthy, and produces beautiful clusters of pink flowers. It is to be highly recommended for general planting, owing to its hardiness under all conditions. A very strong-growing variety and one of the most popular for arches.

Dr. W. Van Fleet. Flesh-pink on the outer surface, deepening to rosy flesh in the center. The flowers are full, very double, and carried on good stems, resembling Souvenir du President Carnot (one of the parents) in color. The flower, when open, will measure 4 inches or more in diameter, and is highly built in the center. Strong and handsome in growth. A superb variety that makes a splendid showing when trained over arches, pergolas, summer-houses and the like.



Climbing Rose, American Beauty

HARDY CLIMBING AND RAMBLER ROSES, continued

Dr. Huey. A vigorous climbing or pillar Rose bearing flowers of the darkest red known in climbers. The blooms are fairly large, of perfect substance, and rich crimson-maroon which does not fade. Its growth is much stronger than Paul's Scarlet Climber and the flowers more enduring. Unique and most desirable.

Emily Gray. The best yellow climbing Rose ever introduced. The color is clear golden yellow, and all the flowers are double. It has long buds and attractive, dark green foliage. Very free-flowering; splendid growing habits.

Excelsa. This has superseded the old Crimson Rambler. It is vigorous in growth with healthy dark glossy green foliage. The flowers are very double, produced in large trusses. The color is intense crimson-maroon, the tips of the petals tinged with scarlet.

Gardenia. A fascinatingly dependable American yellow climbing Rose that is sometimes called "Hardy Marechal Niel" because of its resemblance to that famous old variety. The exceedingly beautiful golden yellow buds become creamy white when fully expanded. A moderate grower, covered with a wealth of bloom in June, and glossy, dark green foliage that persists till frost.

Hiawatha. The most brilliant-colored single Rose. It is a brilliant carmine, with a clear white eye and a mass of golden stamens—a glowing combination of color, and a variety you must know to appreciate.

Jacotte. Flowers shrimp-pink or light salmon-orange shaded golden yellow at base, fully 2½ inches in diameter, delightfully scented. The rich, dark green, glossy disease-resisting foliage is entirely distinct from all others and a color which will make it a favorite.

Paul's Scarlet Climber. One of the most promising climbing Roses yet sent out. The vivid scarlet, semi-double flowers are of medium size, produced in large clusters and in great profusion. The color does not burn or fade. This Rose has been exhibited extensively in Europe and received numerous awards. Paul's Scarlet Climber in color is far beyond anything ever offered, being of such a dazzling shade as to make it distinctive among red Roses.

Phyllis Bide. Tiny, exquisitely formed buds and flowers with gracefully reflexed petals, produced singly or in sparse clusters throughout the summer and autumn. They are pale gold with pink tones and deep rosy tips. Growth wiry, with small, airy foliage apparently healthy and hardy.

Roserie. A great improvement on the popular Thousand Beauties (Tausendschön), and consequently a welcome addition to this section. While it has the same habit of growth and general characteristics as Thousand Beauties, the color is superior—a deeper and more even shade of cerise-pink or carmine. Those who have admired Thousand Beauties will surely add this improved variety to their collection because of its lovely coloring.

Silver Moon. This Rose is of the same strong growth as Dr. W. Van Fleet. Foliage beautiful bronze-green, mildew-proof. Flowers are large, silvery white, with prominent yellow stamens, very fragrant and attractive, produced on strong stems.



Rose, American Pillar

Star of Persia. A brilliant new Rose with flowers on the order of the lovely old Harison's Yellow, semi-double, bright yellow, and about 3 inches across. It makes a striking low climber or pillar Rose from 8 to 10 feet high, bursting into showers of sparkling bloom in June. It does not fade and the flower trusses last several weeks.

Wichuraiana. Pure white flowers in large clusters, freely produced rather late in the season. Plant is trailing and forms a dense mat of shining, almost evergreen foliage.

SEE OUR LIST OF HOLLYHOCK DELPHINIUMS ON PAGE 90



Standard or Tree Roses

CLIMBING HYBRID TEA ROSES

These climbing Roses are noted for the exquisite beauty of their flowers, equaling the bush Hybrid Teas. They are strong-growing, branching, and bloom freely all summer. With moderate protection they can withstand very severe weather. Care should be taken in pruning to leave the older wood undisturbed as it produces the best flowers.

Climbing H. V. Machin. Very bright, glowing red, extremely double, fragrant flowers. Vigorous climbing habit and fairly floriferous.

Climbing Kaiserin Auguste Viktoria. Pure white, very double, perfectly formed flowers with a faint lemon center. Moderately strong climbing habit.

Climbing Lady Ashtown. Sparkling pink flowers lit with a sunny yellow suffusion; fine pointed blooms with exquisitely recurved petals. Plant is very vigorous, unusually free flowering, and hardy.

Climbing Lady Hillingdon. Charming, long buds and well-shaped flowers of soft apricot, deepening to golden yellow; fragrant and lasting. Plant is strong, with excellent foliage. Hardy for its class.

Climbing Mme. Caroline Testout. Large, globular blooms of bright satiny rose, shaded somewhat lighter. A vigorous and quite free-flowering climber.

Climbing Mrs. Aaron Ward. A climbing form of this popular Indian-yellow variety.

Any of the above Roses, $1.25 each

STANDARD or TREE ROSES

These ornamental Tree Roses relieve the flat appearance in the Rose-garden, enhancing the beauty of any design.

Betty Uprichard
Frau Karl Druschki
General MacArthur
Gruss an Teplitz
Hadley
Kaiserin Auguste Viktoria
Killarney Queen
Lady Alice Stanley
Lady Ashtown
Lady Ursula
Los Angeles
Mme. Butterfly
Mme. Caroline Testout
Mme. Edouard Herriot
Ophelia
Radiance
Red Radiance

Any of the above Roses, $3.50 each



WATERER'S HARDY PERENNIAL PLANTS

The Hardy Perennials supply us with some of the most beautiful and interesting plants available for outdoor culture. By judicious selection from their almost endless variety, a continuous succession of bloom may be obtained from spring until frost, with wonderful range of color. Plants will be found suitable for massing, for bedding, and for borders, also for cutting and rock-garden work. From the Columbines of early April to the climax of Asters and Chrysanthemums, this story of fragrance and beauty repeats itself year after year, lavishly repaying the owner for the little care and attention which the plants require.

Achillea · Milfoil; Yarrow

These plants are suitable for dry, sunny places. The dwarf kinds are useful for carpeting or for rockeries; the taller ones as border plants.

Filipendulina. 3 ft. A strong-growing species with large, flat heads of yellow flowers. June, July.

Ptarmica, Boule de Neige. 2 ft. New. An improvement on The Pearl, with fuller and more perfect flowers. Best for borders.

Rupestris. 6 in. Compact, low-growing alpine plant, forming cushions of attractive green foliage and bearing masses of snow-white flowers in dense umbels. May, June. 50 cts. each; $5 per doz.

Tomentosa. 6 in. A dwarf rock-plant, forming neat cushions of foliage which are hidden during May and June by heads of bright yellow flowers.

Umbellata. 6 in. This rare, dainty rock-plant bears heads of snow-white flowers over tufts of silvery foliage. June. 50 cts. each; $5 per doz.

All Achilleas, except where noted, 25 cts. each; $2.50 per doz.; $15 per 100

Aconitum · Monkshood

Summer and late autumn-flowering plants, with bold spikes of hood-shaped flowers, thriving in either sun or shade.

Fischeri. 1½ ft. A dwarf variety with pale blue flowers. September.

Napellus, Sparks' Variety. 3 ft. Tall variety, with branching spikes of blue flowers. The darkest Aconitum, and has a long flowering period. July.

All Aconitums, 35 cts. each; $3.50 per doz.; $25 per 100

Æthionema · Lebanon Candytuft

Iberideum. A very free-flowering trailer for the rock-garden. It has gray, glaucous leaves and the white flowers are produced in terminal clusters. April, May. 50 cts. each; $5 per doz.

Agrostemma

Coronaria (Mullein Pink; Rose Campion). 2 ft. Flowers rich crimson, very large, produced in great abundance on long stems; foliage silvery. June, July.

Coronaria alba. A white form of the above.

All Agrostemmas, 25 cts. each; $2.50 per doz.

Anchusa

Italica, Dropmore. 4 ft. Tall spikes of gentian-blue flowers, resembling giant forget-me-nots. June, July. 35 cts. each; $3.50 per doz.; $20 per 100.

Myosotidiflora. 1 ft. A distinct, dwarf perennial variety from Russia, with clusters of charming blue flowers resembling forget-me-nots. An effective rock-plant for shady places. May. 35 cts. each; $3.50 per doz.

Ajuga · Bugleweed

Genevensis. 6 in. A useful plant for the rockery and for carpeting the ground, particularly in shady positions, as under trees where grass will not grow. Short spikes of intense blue flowers. June. 30 cts. each; $3 per doz.

Alyssum

Argenteum (Rock Plant). 1 ft. Large, flat heads of golden yellow flowers borne on wiry stems. May, June.

Montanum. A rare alpine of compact though trailing habit. Its dark green leaves are covered with white encrustations, and each of its many stems terminates in a truss of bright yellow flowers in May and June. 50 cts. each; $5 per doz.

Saxatile compactum (Rock Plant). 1 ft. One of the most popular of spring-flowering plants. Masses of yellow flowers in April and May.

All Alyssums, except where noted, 25 cts. each; $2.50 per doz.; $15 per 100

Anthemis

Tinctoria Kelwayi. 2 ft. Bright yellow Marguerite-like flowers in great profusion. June to September. 25 cts. each; $2.50 per doz.; $15 per 100.



Aconitum

Anemone

Pulsatilla. Large, cup-shaped bluish flowers, covered on the outside with silky hairs, are borne singly on stems 1 foot high in April and May. Fine for rockwork.

Japonica. Japanese Windflower. Valuable plants suitable for massing or single specimens. They grow rapidly and are profuse in bloom, gaining strength and beauty each year. The blooming period extends from August till mid-November, the large, open flowers furnishing abundant cut-flowers and a brilliant field display. Cover plants in winter.

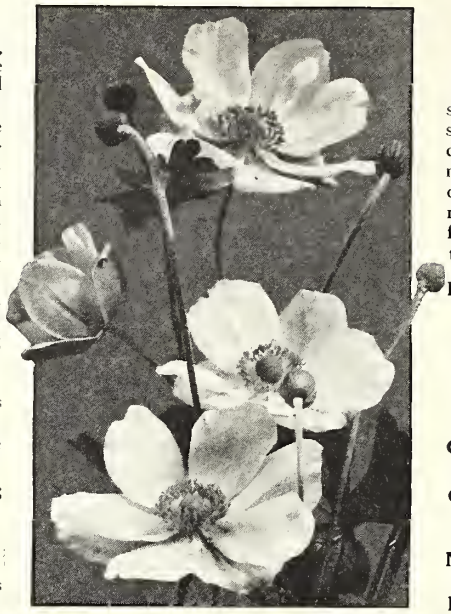
Japonica alba. 2½ ft. Purest single white, with yellow center.

Japonica, Queen Charlotte. A strong grower producing large, semi-double, pink flowers.

Japonica rubra. Beautiful rosy red; stamens bright yellow.

Japonica, Whirlwind. Excellent double white flowers.

All Anemones, 30 cts. each; $3 per doz.; $18 per 100



Anemone japonica

Aquilegia · Columbine

As a cut-flower, the Long-spurred Aquilegias are the daintiest of our outdoor-grown flowers. They come in blues, whites, yellows, and shades of pink and rose. The vigorous, long-lived plants remain in bloom a long time, and are indispensable for the old-fashioned garden and well adapted for the rockery.

Cærulea. 2 ft. Blue and white flowers with long, slender spurs.

Chrysantha. 3 ft. Tall, beautiful species bearing soft yellow flowers.

Mrs. Scott Elliott's Strain. 2 to 3 ft. This is, probably, the best strain of Long-spurred Hybrids. The flowers are of rich and varied colors. May, June.

Vulgaris nivea grandiflora. 2 ft. Large, pure white flowers. Strong grower. May, June.

All Aquilegias, 30 cts. each; $2.50 per doz.; $18 per 100

Arabis · Rock Cress

Alpina. 9 in. A useful, early-flowering plant with pure white flowers, suitable for rock garden, border, or for spring bedding. April, May. 25 cts. each; $2.50 per doz.; $15 per 100.

Armeria · Thrift; Sea Pink

Attractive dwarf plants that will succeed in any soil, forming evergreen tufts of bright green foliage from which innumerable flowers appear in dense heads, on stiff wiry stems. Very useful in the rockery or border.

Cephalotes grandiflora (Giant Thrift). 1 ft. Strong tufts of foliage and heads of silvery pink flowers borne on stout stems. May to July.

Laucheana. 6 in. Produces a mass of rosy crimson flowers all summer. Fine for edging and planting in masses. June to August.

All Armerias, 25 cts. each; $2.50 per doz.; $15 per 100

Artemisia

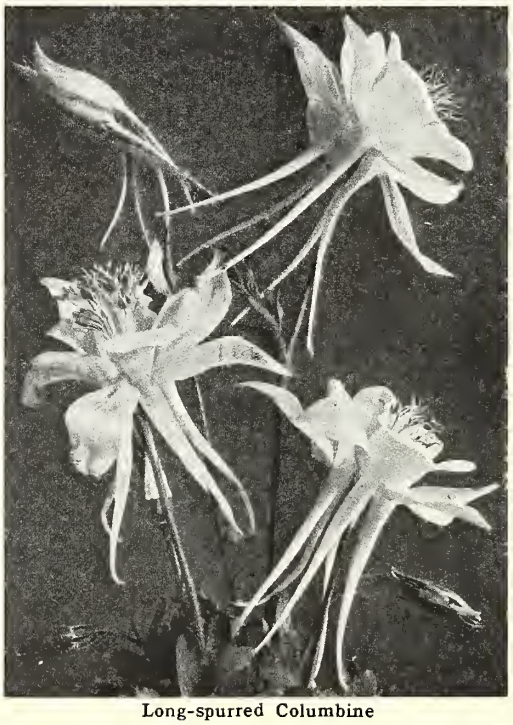
Vulgaris lactiflora. 5 to 6 ft. Fragrant, spirea-like plumes of creamy white flowers are borne on stout, erect stems from August to October. 25 cts. each; $2.50 per doz.; $15 per 100.

Asclepias · Butterfly Weed

Tuberosa. 2½ ft. Bright orange-red flowers, borne in clusters on strong stems. July to September. 25 cts. each; $2.50 per doz.; $15 per 100.

Asphodelus · King's Spear

Luteus (*A. lutea*). 3 ft. Tall spikes of fragrant, bright yellow, lily-like flowers. Sword-like foliage. Fine for borders. 35 cts. each; $3.50 per doz.



Long-spurred Columbine

Asters, Hardy

Michaelmas Daisy; Starwort

As a plant of general usefulness, the Aster stands unrivaled. The great variety in color, size of flower, time of flowering and height, combined with the simple cultural requirements necessary make it one of the most desirable of hardy plants. Many of the varieties are excellent for cutting. The finest flowers and strongest spikes are obtained if the plants are divided annually.

Barr's Pink. 4 ft. A new variety of strong, erect growth, bearing large, bright pink flowers. When this variety was shown at the Royal Horticultural Society's Hall, London, it was described by the *Horticultural Advertiser* as the best pink Aster in cultivation. September, October. 50 cts. each; $5 per doz.

Cærulea. 4 to 5 ft. Large, pale blue flowers in pyramidal heads. September, October.

Climax. 5 ft. The large, pale mauve flowers, with yellow centers, are borne on long, slender stems. September, October.

Mrs. Raynor. 4 ft. The deepest red of all Asters.

Maggie Perry. 4 ft. Very large flowers (frequently 2½ inches across) of a pleasing tone of soft mauve loosely arranged in large trusses. Most distinct and striking novelty. 50 cts. each; $5 per doz.

Perry's White. 4 ft. A very free-flowering variety of graceful habit. The flowers are large and of good substance. Excellent for cutting. September, October.

Sam Banham. 3 ft. The best white Aster. Good for cutting. September, October.

St. Egwin. 2½ ft. This variety forms a compact bush, which, during September, is entirely covered with large, clear pink flowers. One of the best Asters in cultivation.

The Queen. 4 ft. The very large flowers are borne in loose sprays on long, straight stems. They open pale mauve and turn nearly white with age. September.

Tataricus. 6 ft. A distinct species from Siberia. Its large violet flowers are carried on tall, leafy stems. November.

White Climax. 5 ft. A pure white form of Climax.

Any of the above Asters, except where noted, 30 cts. each; $3 per doz.

Aster, Dwarf Alpine

Alpinus. 9 in. Large, bluish purple flowers. Fine rock-plant. June.

Alpinus albus. A white variety of above.

Subcæruleus. 1 ft. Large violet-purple flowers, freely borne on slender, erect stems. June, July.

Any of the above Asters, 30 cts. each; $3 per doz.; $18 per 100

Aubrietia

Rainbow Rock Cress

Pretty, dwarf-growing plants suitable for the rockery or for the edge of the border. They form masses of silvery green foliage and sheets of vari-colored flowers in spring and early summer. **Choice mixed varieties,** 30 cts. each; $3 per doz.; $18 per 100.

Baptisia · False Indigo

Australis. 2 ft. Dark blue, pea-shaped flowers in June. Suitable for the hardy border or wild garden. Very attractive foliage. 25 cts. each; $2.50 per doz.

Bocconia

Cordata. 6 to 8 ft. A tall-growing, stately plant with handsome, gray, glaucous foliage bearing panicles of creamy white flowers. July, August. 25 cts. each; $2.50 per doz.



Campanula Medium

Cerastium

Tomentosum. Forms a carpet of silvery foliage which is covered in May with pure white flowers. 25 cts. each; $2.50 per doz.; $15 per 100.

Clematis

Integrifolia. Drooping blue flowers are borne toward the tops of the erect stems. July, August. 35 cts. each; $3.50 per doz.

Coreopsis

Grandiflora. 2½ ft. One of the best hardy plants for cutting. The bright yellow flowers are borne on long, graceful stems throughout the summer. 25 cts. each; $2.50 per doz.; $15 per 100.

Convallaria · Lily-of-the-Valley

Majalis. The old-time favorite, which loves the shade, and grows successfully under the trees. Extra-strong clumps, 60 cts. each; $6 per doz.; $45 per 100.

Boltonia · False Chamomile

A showy native hardy perennial plant with large, single, aster-like flowers during the summer and autumn months. With its thousands of flowers open at one time it produces a very showy effect.

Asteroides. 5 to 7 ft. Pure white; very effective.

Latisquama. 4 to 6 ft. Pink, slightly tinged with lavender.

All Boltonias, 25 cts. each; $2.50 per doz.; $18 per 100

Calamintha

Alpina (*Saturcia alpina*). 6 in. A prostrate rock-plant producing a mass of violet-blue flowers borne in clusters. July, August. 30 cts. each; $3 per doz.

Campanula · Bellflower; Harebell

One of the most beautiful and important families of hardy plants. Having a very wide geographical distribution, its members are varied in character and are adapted for rock garden, border, and woodland.

Alliariæfolia. 2½ ft. Handsome, heart-shaped leaves and creamy white, pendulous flowers. June.

Carpatica. 1 ft. Suitable for rock garden or border. Large, blue, cup-shaped flowers during July and August.

Latifolia macrantha. A vigorous grower, 4 to 5 feet high, the stems terminating in clusters of large, deep blue flowers. July.

Medium (Canterbury Bells). Blue, Pink, White, separate colors.

Medium calycanthema (Cup-and-Saucer). Mixed colors.

Persicifolia. 2½ ft. Slender, erect stems studded with blue, cup-shaped flowers in June and July.

Persicifolia alba. A white variety of the above.

Pyramidalis (Chimney Bellflower.) 6 ft. Tall, pyramidal spikes of blue flowers. July.

Pyramidalis alba. A white variety of the above.

All Campanulas, 25 cts. each; $2.50 per doz.; $18 per 100

Carnation, Border

We can supply these popular favorites in the following separate colors: Red, Rose, Salmon, Violet, Yellow, White. 35 cts. each; $3.50 per doz.; $20 per 100.

Caryopteris · Blue Spirea

Mastacanthus (*C. incana*). 2½ ft. A compact, free-flowering plant of sub-shrubby habit, with attractive gray foliage. It is covered during fall with trusses of lavender-purple flowers. 30 cts. each; $3 per doz.

Centaurea

Macrocephala. 4 to 5 ft. A stately plant of robust habit, bearing large, globular heads of golden yellow flowers. July, August.

Montana. 1½ ft. Woolly foliage and bright blue flowers. June, July.

Montana alba. A white variety of the preceding.

All Centaureas, 25 cts. each; $2.50 per doz.; $15 per 100

CHRYSANTHEMUMS

These showy and effective favorites are now universally popular. When planted outside they extend the flowering season of your perennial garden, blooming profusely in October after other flowers have been browned by early frosts, which do not affect the Chrysanthemums, producing a wealth of bloom especially fine for cutting. They should be planted early in a well-drained position, either in the hardy border or at the edge of a shrubbery border, and late in the autumn, after they have finished flowering and the tops have been cut off, they should have a covering of leaves or loose litter as a winter protection, but do not cover with manure.

Button-shaped Pompons

Baby. Clear bright yellow.
Bright Eyes. Blush-white, before full development; the center is orange.
Iva. Very small; deep yellow.
Little Dot. Rich mahogany-crimson.
Model of Perfection. Vigorous; white.
Rhoda. Fine rosy pink.
Rose Trevenna. A good deep rose.
Ruth. Claret-red.
Skibo. One of the earliest; opens bronze, passing to yellow.

Large-flowering

Adironda. A fine bronze.
Captain Cook. Clear deep rose.
Fernridge. Splendid single red.
Julie Lagravere. Rich garnet.
Lillian Doty. Large, incurved pink.
Miramar. A fine bronze.
Nellie Blake. A good deep red.
Ouray. Rich dark mahogany-brown.
Petite Louise. Favorite silvery pink.
Red Doty. Large, incurved red.
Soleil d'Or. A fine golden yellow.
White Doty. Pure white; globular.

Early-flowering

Chrysolora. A splendid yellow.
Firelight. Bright red; aster form.
Idolf. A pretty shade of salmon-pink.
La Garonne. Rose and buff.
Marie du Pont. Very free-flowering, large pure white.
Mrs. H. Harrison. Medium-sized blush-pink, very free.
October Gold. Beautiful deep orange.
Provence. Pale pink.
Tints of Gold. Golden bronze.
Uvalda. Large; pure white.

Hardy Chrysanthemum

Maximum (Shasta Daisy). 2 ft. A useful flower for cutting. The large, white, daisy-like blooms are produced over a long period. June–September. 25 cts. each; $2.50 per doz.

All Chrysanthemums, 25 cts. each; $2.50 per doz.; $15 per 100



Pompon Chrysanthemums



Hollyhock-flowered Delphinium

New Hollyhock-flowered Delphiniums

Prized for years by good gardeners, Delphiniums or Hardy Larkspurs have been recognized as the noblest and most beautiful of blue-flowering perennials. But the splendor of even the finest older types is far surpassed by this marvelous new race of Hollyhock-flowered Delphiniums, distinct in form of spike and the size and placement of the individual flowers.

The plants are unusually robust, making great rosettes of leaves from which the heavy stalks rise majestically, broad at the base, tapering in a slender cone to the lofty tip. Around the spike the very large single and double flowers are so arranged that they form slender gothic spires of ethereal loveliness in infinite shades of purest blue, lavender, purple, and violet. The individual flowers are surprisingly large, two to four times the size of the older types, and many of them in their frilled circular outline almost rival hollyhocks in size and shape.

For garden decoration nothing ever could surpass Delphiniums, and this new race is far and away the finest type which has yet evolved. We offer a choice selection of the best named varieties, but it is utterly impossible to say which is best, because they are all superlatively fine.

Blue Queen. 4 ft. Single azure-blue flowers with blackish brown center. Good spike. $2 each.

Clive Greaves. 5 ft. Rich porcelain-blue flowers of good size and form, on a long, tapering spike of imposing stature. Unique and distinct. $7 each.

Constance. 4 ft. A single variety, with particularly rich gentian-blue flowers having conspicuous white eyes. Spike long and shapely. Strikingly beautiful. $2 each.

Countess Cowley. 5 ft. Semi-double, light blue and mauve flowers, with black eyes and of wonderfully fine form. $4 each.

Edward Bromet. 5 ft. The purplish blue ground is rich and the white eye extremely large. The individual flowers are of enormous size and are well set out on long spikes. $3 each.

Great Strides. 5 ft. Pale blue, shaded pinkish mauve; prominent white eye. $4 each.

Happy Thought. 5 ft. Medium blue, shaded pansy-violet. $4 each.

Mrs. A. J. Watson. 7 ft. Enormous spikes of very large, deep mauve flowers with blue outer petals and large, striking black eyes. Extra vigorous. $3 each.

Mrs. Norman Holden. 5 ft. Large, semi-double flowers of mauve and blue with large black eye. A splendid variety. $4 each.

Norah Phillips. 6 ft. The deep blue and purple florets, on a tall tapering spike, produce a gorgeous effect. A milestone in the evolution of the Delphinium. $7.50 ea.

R. A. Pilkington. 5 ft. Extra-large, well-formed, semi-double flowers of rich violet, edged dark blue; eyes brown. Spike well formed. $4 each.

The Bishop. 5 ft. Bright royal blue, large and conspicuous white center. An outstanding variety. $4 each.

English Hollyhock Delphiniums in Color Groups

A welcome innovation is the following offer of the Hollyhock Delphiniums released in four separate color groups. These plants are grown from the identical strains which comprise our well-known named Delphiniums. The plants are all heavy, field-grown, and are also shipped balled and burlapped.

Light Shades
Mauve Shades
Intermediate Shades
Dark Shades

Mixture of all Shades
$1.50 each; $15 per doz.

Standard Varieties

Belladonna. 2½ to 3 ft. An invaluable variety for cutting; sky-blue flowers in great profusion from June until frost.

Bellamosa. 3 to 4 ft. A true hybrid of Belladonna and Formosum, surpassing both parents. Dark blue. It is not subject to mildew.

Formosum. 4 ft. A robust-growing Larkspur having dark blue flowers with white centers. June to September.

Mixture of the above three Standard Delphiniums, $2.50 per doz.

Grandiflorum chinense. 1½ to 2 ft. Gentian-blue flowers and finely divided foliage. June to October.

Grandiflorum album. A white variety of the above.

Mixed Hybrids. This mixture can be relied on to produce a large percentage of extremely good individuals, and is much superior to the ordinary mixed strain. It has been raised from seed saved from H. J. Jones' named varieties. 35c. ea.; $3.50 per doz.; $20 per 100.

Any of the above Standard Delphiniums, except where noted, 25 cts. each; $2.50 per doz.; $15 per 100



Dianthus plumarius

Dianthus · Pinks

Suitable for dry rockeries, dry walls, or any other hot, dry, sunny spot. Almost all Pinks are of the easiest culture and will thrive in any well-drained soil and sunny position.

Alpinus. 4 in. A lovely, dwarf alpine with deep pink flowers close down to the foliage which they entirely hide in May and June. 50 cts. each; $5 per doz.

Arenarius. A desirable rock-plant of compact, tufted habit. During May and June the foliage is entirely hidden by masses of deeply fringed, fragrant, white flowers borne on 6-inch stems.

Cæsius (Cheddar Pink). Blue-gray cushions of foliage and rosy pink, sweetly scented flowers carried on 9-inch stems. May, June. 35 cts. each; $3.50 per doz.; $20 per 100.

Deltoides (Maiden Pink). A trailing rock-plant; fine for border edging. June, July.

Deltoides albus. A white variety of the above.

Deltoides, Brilliant. Vivid crimson.

Neglectus. 6 in. A choice and beautiful alpine, with bright carmine flowers having a buff reverse. May, June. 50 cts. each; $5 per doz.

Plumarius. 1 ft. A first-rate mixture, with beautifully frilled flowers. June, July.

All Dianthus, except where noted, 25 cts. each; $2.50 per doz.; $15 per 100

Dielytra · Dicentra

Spectabilis (Bleeding-Heart; Seal Flower). An old-fashioned favorite. Its long racemes of graceful, heart-shaped, pink flowers are always attractive. It is used largely for forcing, and is perfectly at home in any part of the hardy border; especially valuable for planting in the shade. Strong clumps, 50 cts. each; $5 per doz.

Formosa (Plumy Bleeding-Heart). A dwarfer-growing species, with finely cut ornamental foliage, growing about 15 inches high and producing its showy pink flowers from April till August. 35 cts. each; $3.50 per doz.

Digitalis · Foxglove

One of the showiest and most attractive of old-fashioned favorites whose popularity is continually increasing. For stately and picturesque beauty it is not to be surpassed, and, planted in masses in the garden, it is extremely effective and satisfactory. It is a biennial, but, as it renews itself from self-sown seed, it may be treated as a perennial.

Purpurea gloxiniæflora. Pink, Purple, White, separate. 25 cts. each; $2.50 per doz.



Dianthus deltoides

The Shirley. A new strain raised by the late Rev. W. Wilkes, the originator of the well-known Shirley Poppies. The flowers are of enormous size and vary in color from pure white to deepest rose. 35 cts. each; $3.50 per doz.

Dracocephalum

Ruyschiana. 1 to 1½ ft. One of the showiest spring-flowering plants, and one we recommend to those seeking something unusual. It forms a clump of many stems, each one being thickly covered during May with purplish blue, salvia-shaped flowers. 35 cts. each; $3.50 per doz.

Echinops · Globe Thistle

Vigorous, stately plants, ornamental both in flower and foliage. The large, handsome leaves are spiny at the tips and are covered with silvery down.

Ritro. 4 ft. Globular heads of glistening blue flowers. July, August.

Sphærocephalus. 6 ft. Heads of grayish white flowers. August.

All Echinops, 25 cts. each; $2.50 per doz.; $15 per 100

Erinus

Alpinus. 6 in. A dwarf, dainty rock-plant of tufted habit bearing pink flowers in May.

Alpinus albus. White variety of the above.

All Erinus, 30 cts. each; $3 per doz.; $18 per 100

Eryngium · Sea Holly

Planum. 2½ ft. Small blue flower-heads and steely blue stems. Good for cutting and drying. July, August. 25 cts. each; $2.50 per doz.; $15 per 100.

Eupatorium

Cœlestinum. 1½ to 2 ft. Very free-flowering and valuable for cutting. Masses of blue, ageratum-like flowers from August to October.

Fraseri. Feathery white flowers. July to September.

All Eupatoriums, 25 cts. each; $2.50 per doz.; $15 per 100

Euphorbia · Spurge

Corollata. 1½ to 2 ft. The value of this plant for cutting is not fully appreciated. It is well adapted for shipping, and its small, pure white flowers take the place of *Gypsophila paniculata* when that is past. Best results are obtained by allowing it to remain undisturbed for several years. August, September.

Epithymoides (*E. polychroma*). 1½ ft. A conspicuous object in early spring. It has a bushy, much-branched habit, each branch terminating in a whorl of bright petal-like bracts.

All Euphorbias, 25 cts. each; $2.50 per doz.



Digitalis

Hardy Ferns

A shady position, useless for the cultivation of other plants, is easily transformed into a hardy fernery. These graceful plants are of easy culture, especially if a liberal amount of leaf-mold or good earth from the woods is available.

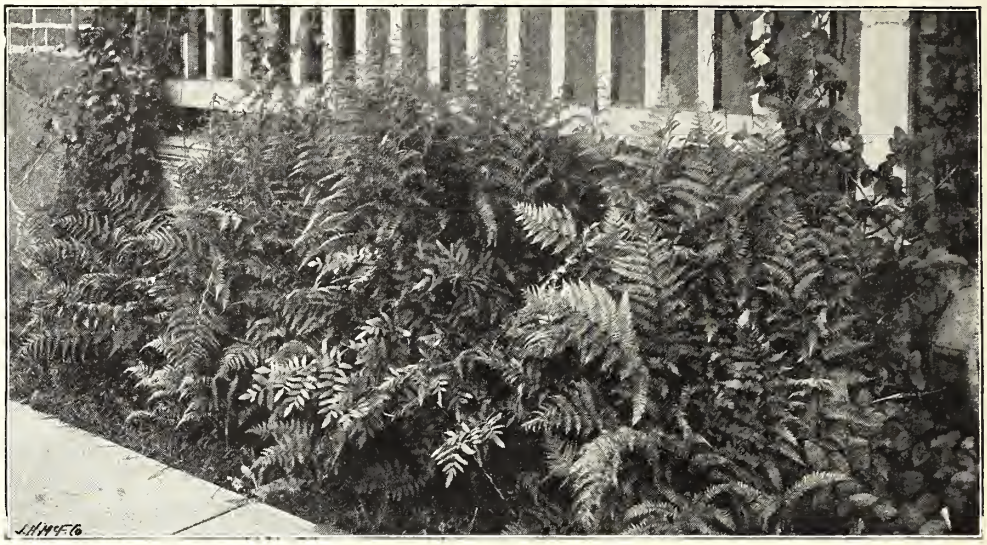
Adiantum pedatum (Hardy Maidenhair Fern). 1 ft. Most attractive of our native Ferns. Black stems with delicate green fronds.

Aspidium acrostichoides (Wood Fern). 1 ft. An evergreen species with deep green, divided fronds. Should be planted in a shady position.

Asplenium filix-fœmina (Lady Fern). 2 ft. Grows in shade or sun. Large and handsome.

Dicksonia punctilobula (Gossamer Fern). 2 to 3 ft.

Onoclea sensibilis. Sensitive Fern. 1 ft. Strong grower; likes a wet soil.



Planting of Hardy Assorted Ferns

Osmunda Claytoniana (Interrupted Fern). A distinct and very beautiful native species. Foliage velvety green, with prominent brown spores in middle of fronds. 50 cts. each; $5 per doz.

Osmunda regalis (The Royal Fern). Wonderful in damp, marshy places, where its rich yellowish green foliage and golden stems make very striking subjects. 50 cts. each; $5 per doz.

Any of the above Ferns, except where noted, 30 cts. each; $3 per doz.

Funkia · Plantain Lily

Subcordata grandiflora. Large, pure white flowers and bold foliage make this a very attractive variety. July, August.

Undulata variegata. 9 in. One of the easiest plants to grow. The broad, massive leaves, variegated green and white, make them decorative in the border when their pale lavender flowers are past. Succeed in sun or shade.

All Funkias, 35 cts. each; $3.50 per doz.; $25 per 100

Gaillardia

Grandiflora (*G. aristata*). 2 ft. Ranges in color from old-gold to crimson. This plant is unrivaled for furnishing a continuous supply of cut-flowers. June to October. 25 cts. each; $2.50 per doz.; $15 per 100.

The Dazzler. A recent introduction, producing large, bright golden yellow flowers with red-maroon centers. Its strong, straight, erect stems make it a valuable variety for cutting. 30 cts. each; $3 per doz.

Geranium · Crane's Bill

Sanguineum. 1½ ft. Flowers blood-red. Very attractive in the fall when the whole plant sometimes has a blood-red color. May to August. 30 cts. each; $3 per doz.

Geum

Chiloense, Lady Stratheden. 2 ft. A new variety similar in habit and growth to the well-known Mrs. Bradshaw. It bears large, old-gold, double flowers. May, June.

Chiloense, Mrs. Bradshaw. 2 ft. One of the most striking of hardy plants. Slender, branching stems are produced from tufts of evergreen foliage and bear large, rich scarlet, double flowers in great profusion. A good plant for cutting. May, June.

All Geums, 30 cts. each; $3 per doz.; $20 per 100

Globularia · Globe Daisy

Tricosanthes. 6 in. A low-growing rock-plant, bearing globular heads of pale blue flowers arising from tufts of shiny green foliage. May, June. 30 cts. each; $3 per doz.; $20 per 100.

Hardy Ornamental Grasses

Elymus glaucus. 2 ft. Blue Lyme Grass. Has narrow, glaucous silvery foliage. 35 cts. each; $3.50 per doz.

Eulalia japonica. Long, narrow, graceful green foliage, and when in flower the attractive plumes are 6 to 7 feet high. 35 cts. each; $3.50 per doz.

Eulalia japonica variegata. Very ornamental; long, narrow leaves, striped green, white, and often pink or yellow. 35 cts. each; $3.50 per doz.

Festuca glauca (Blue Fescue Grass). 12 to 15 in. Ornamental Grass grown for dense tufts of very narrow bluish leaves. Used for edgings or for contrast with darker foliage. Desirable for rock-garden. 30 cts. each; $3 per doz.

Pennisetum japonicum (*P. alopecuroides*). It is, perhaps, one of the finest hardy Ornamental Grasses grown for its flowers, and for bordering or edging, growing about 3 feet high, with graceful, recurved foliage. Flowers rich mahogany, tipped white. 30 cts. each; $3 per doz.

Phalaris arundinacea variegata (Variegated Ribbon Grass). 15 in. Leaves longitudinally striped with white; very ornamental. 25c. each, $2.50 per doz.



Types of Ornamental Grasses

A Little Book of Perennials

Devoted to the general principles of growing, using, selecting, and propagating perennials.

Cloth cover, $1.75.

Gypsophila · Baby's Breath

Paniculata. 2½ ft. Cloud-like masses of small white flowers. One of the most popular and useful plants for cutting. July.

Repens. A dwarf trailer, excellent for cascading down the slopes of the rock garden. Masses of small white flowers. June, July.

Bristol Fairy. New Double Gypsophila. With double flowers almost as large as the annual Baby's Breath and every bit as white, as lasting, and as easily handled as the usual double sort, it is more valuable than either. Not only for the flowers alone, but for the long season over which they are produced, Bristol Fairy is a triumphant achievement. Unlike the old double Baby's Breath, which bloomed once and was gone, and unlike the annual sort which had to be sown many times a season, it continues to bloom from early summer until hard frost. 75 cts. each; $7.50 per doz.

All Gypsophilas, except where otherwise noted, 25 cts. each; $2.50 per doz.; $18 per 100

Helenium

Strong-growing plants, valuable for producing late summer and fall effects in woodland or herbaceous border. Also useful as a cut-flower.

Autumnale, Riverton Beauty. 4 ft. Clear yellow flowers with black centers. August, September.

Autumnale, Riverton Gem. 4 ft. Rich mahogany-red flowers. August, September.

Autumnale superbum. 4 ft. Yellow. August, September.

Hoopesi. 2 ft. Large heads of deep yellow flowers. June, July.

All Heleniums, 30 cts. each; $3 per doz.; $20 per 100



Double Hardy Sunflower

Helianthemum

Rock or Sun Rose

Dwarf evergreen shrubs of spreading habit, which for freedom of flowering and brilliancy of coloring are equaled by few and excelled by no other family of plants. Delighting in full sun, they will thrive on a hot, sunny bank where few other plants will exist. Massed on the rock garden or front of herbaceous border, they are the most gorgeous sight in the garden during June. These plants deserve the close attention of all who are interested in rock gardening.

Chamæcistus macranthum. 6 in. Large; creamy white.

Mrs. Earle. 9 in. Double; scarlet flowers.

Præcox. 9 in. Large, soft yellow flowers. Silvery foliage.

Rhodanthum carneum. 9 in. Very large, clear pink flowers. Silvery foliage.

All Helianthemums, 35 cts. each; $3.50 per doz.; $20 per 100

Helianthus · Hardy Sunflower

The perennial Sunflowers should always be planted in masses, where they may have plenty of room. In combination with hardy asters, where broad color effects are wanted in late summer, they have few equals. They are profuse bloomers, producing an unlimited supply of flowers for decoration.

Decapetalus multiflorus fl.-pl. (Double Hardy Sunflower). 4 ft. Large, double, dahlia-like golden yellow flowers in great profusion during July and August.

Maximiliani. 6 ft. The latest of all. Golden yellow flowers in graceful sprays in October. Fine for cutting.

Mollis. 5 ft. Thick, velvety foliage, of a distinct, silvery tinge. Flowers lemon-yellow. August, September.

All Helianthus, 25 cts. each; $2.50 per doz.; $15 per 100

Heliopsis · Orange Sunflower

Helianthoides Pitcheriana. 3 ft. Golden yellow flowers all summer. Similar in general habit to Helianthus, but commences to flower earlier in the season (July and August), of dwarfer habit, rarely exceeding 3 feet in height. Very valuable for cutting. 25 cts. each; $2.50 per doz.; $15 per 100.



Hesperis matronalis

Hemerocallis · Yellow Day Lily

These have long been favorites in our garden, and are always included in any list of the most popular hardy plants. All of the varieties are desirable and beautiful. The tall, graceful, grass-like foliage is very handsome and sets off the charming lily-like flowers very effectively.

Dumortieri. 1½ ft. A very dwarf variety, with rich cadmium-yellow flowers in June; buds and reverse of petals bronze-yellow.

Flava (Yellow Day Lily). 3 ft. Fragrant, clear yellow flowers. Blooms earliest of these charming Lilies, coming in May and June, and is useful as a cut-flower as well as in the herbaceous border.

Thunbergi. 3 ft. Blooms in late July, after the other varieties. Rich, clear lemon-yellow flowers.

All Hemerocallis, 25 cts. each; $2.50 per doz.; $15 per 100

Hesperis · Sweet Rocket

Matronalis. 1½ ft. Sweetly scented, purple flowers freely produced during summer.

Matronalis albus. A white variety of the above.

All Hesperis, 30 cts. each; $3 per doz.; $18 per 100

Heuchera · Coral Bells

Dwarf, compact, bushy plants of easy culture bearing loose, graceful spikes of flowers in great profusion. It is fine for the border and rockery and excellent for cutting.

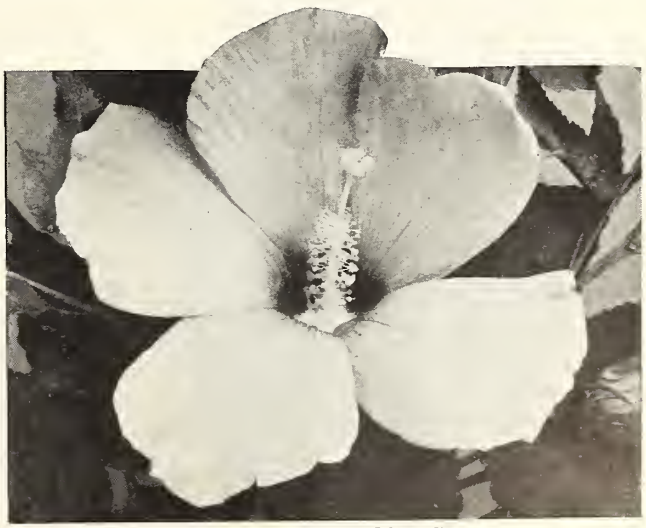
Sanguinea. 1 to 1½ ft. Flowers bright crimson. Very free-flowering. Excellent for rock garden. June to September.

Sanguinea, Virginal. Creamy white.

All Heucheras, 35 cts. each; $3.50 per doz.; $20 per 100

Hibiscus

Mallow Marvels. A robust type, with deeply cut foliage, and large flowers in shades of crimson, pink, and white. 30 cts. each; $3 per doz.; $18 per 100.



Hibiscus (Mallow Marvel)

Hollyhocks

These stately, majestic, hardy plants, from 6 to 8 feet high, are a necessary part of every old-fashioned garden, and should also find a place interspersed with shrubbery, as clumps on the lawn, or in the mixed border, where their colossal spikes of bloom produce bold and showy effects, which cannot be secured with any other flowering plant.

DOUBLE VARIETIES

Apple-Blossom
Bright Rose
Cerise
Crimson
Newport Pink
Salmon-Rose
White
Yellow
Mixed

SINGLE VARIETIES

The old-fashioned Hollyhocks, much improved in size, and purity of color. **All colors mixed.**

All Hollyhocks, 30 cts. each; $3 per doz.; $18 per 100



Double Hollyhocks

Hyacinthus

Candicans. One of the best of all hardy bulbs for the herbaceous border. It bears twenty to thirty white, pendent, bell-shaped flowers on stalks 3 to 4 feet high. Blooms early and till late fall. 25 cts. each; $2.50 per doz.

Hypericum

Olympicum. 6 in. A rare rock plant with gray foliage and very large, yellow flowers. June, July. 50 cts. each; $5 per doz.

Iberis · Hardy Candytuft

Sempervirens. 9 in. An invaluable spring-flowering plant of dwarf and compact habit, bearing masses of snow-white flowers in large trusses. April, May. 25 cts. each; $2.50 per doz.; $15 per 100.

Incarvillea

Delavayi. 1½ ft. Large, rich rose, begonia-like flowers with deep yellow throats, produced all through the summer. A hardy perennial which succeeds well in borders and is equally valuable for greenhouse decoration. 50 cts. each; $5 per doz.

Inula

Ensifolia. 1 ft. Forms a compact, symmetrical clump and in July is covered with bright yellow flowers. 30 cts. each; $3 per doz.

Glandulosa. 2 ft. A little-known plant of rare beauty. The flowers are golden yellow and fully five inches across, with long, thread-like ray petals. June, July. 35 cts. each; $3.50 per doz.

Six Choice German Irises (*Iris germanica*)

Their beauty outrivals that of the orchid in their delicacy of structure and wide range of colors. No garden is complete without them, and a very delightful garden can be made with nothing but them, as they are especially adapted for flower-borders, shrubberies, woodland walks, and for surrounding lakes and ponds, if planted well above the water-level.



Ambassadeur Iris

ABBREVIATIONS: S., standards or upper petals; F., falls or lower petals

Ambassadeur. S. a fascinating smoky velvety purple color; F. velvety purple-maroon; beards and style yellow. $1 each; $10 per doz.

Ballerine. A superb variety growing 4 feet high, the broad foliage being surmounted by masses of glorious flowers of wonderful tone of porcelain-blue, with broad, rounded wavy margins; falls slightly deeper in color; deliciously scented. $1 each; $10 per doz.

Jeanne d'Arc. S. very large and ruffled, somewhat spreading, white, delicately penciled lilac; F. white, edged lilac at base. 50 cts. each; $5 per doz.

King of Iris. A striking variety, with flowers of perfect form. S. clear lemon color; F. deep satiny brown, with a broad border of golden yellow. 50c. each; $5 per doz.

Loreley. S. light yellow, with occasional blue markings; F. ultramarine-blue, bordered cream. 50 cts. each; $5 per doz.

Queen Caterina. Very strong, tall grower, with large flowers of smooth, firm texture. The color, an exquisite shade of pure lavender-blue, is uniform in both standards and falls. 50 cts. each; $5 per doz.

Collection: 1 each of above 6 Irises $3.50

Fine German Irises (*Iris germanica*)

Aurea. S. and F. chrome-yellow. 35 cts. each; $3.50 per doz.

Florentina. S. and F. white, faintly flushed with lavender. 25c. each; $2.50 per doz.

Her Majesty. S. rose-pink; F. bright crimson. 35 cts. each; $3.50 per doz.

Lohengrin. S. and F. cattleya-pink; very large flowers. 35 cts. each; $3.50 per doz.

Kochi. S. and F. rich purple. 35 cts. each; $3.50 per doz.

Mme. Chereau. S. and F. white, fringed with azure-blue. 25c. each; $2.50 per doz.

Pallida Dalmatica. S. pale lavender; F. deep lavender. Large flowers on 3-foot stems. 35 cts. each; $3.50 per doz.

Princess Victoria Louise. S. primrose-yellow; F. reddish purple with a narrow primrose margin. 35 cts. each; $3.50 per doz.

Rhein Nixe. S. white; F. rich violet-blue. 35 cts. each; $3.50 per doz.

Mixed German Irises, 25 cts. each, $2.50 per doz.



Lupines

Lobelia

Cardinalis (Cardinal Flower). 2½ ft. Rich, fiery cardinal flowers. Few plants are more effective at their season of bloom, which extends from early in August till late in September. 25 cts. each; $2.50 per doz.; $15 per 100.

Lupinus · Lupines

The Lupines produce beautiful spikes of pea-shaped flowers a foot long on stems 3 feet high. Very valuable in the hardy border, giving an abundance of delicately scented flowers in June and July.

Polyphyllus. 3 to 4 ft. Strong spikes of deep blue, pea-shaped flowers. June, July.
Polyphyllus albus. A white variety of the above.
Polyphyllus roseus. Pink form of the above.

All Lupines, 35 cts. each; $3.50 per doz.; $20 per 100

Japanese Irises

The most showy and gorgeous of the Iris family. The stately flowers are often 10 inches in diameter, and are produced freely in July. They require rich, moist soil.
Mixed Varieties. 25 cts. each; $2.50 per doz.; $18 per 100.

Various Irises

Cristata. 4 in. A dwarf, fairy-like plant with soft blue, orange-striped flowers. Easily grown in a rather moist, partially shaded position. May.
Pumila cyanea. 9 in. Violet-purple. May.
Pumila, The Bride. 9 in. Pure white. May.
Sibirica (Siberian Iris). 2 to 3 ft. A variety distinguished by its tall, grass-like foliage and numerous violet-colored flowers that are borne on slender stems. May and June.
Sibirica, Snow Queen. A variety of great merit. Flowers snow-white.

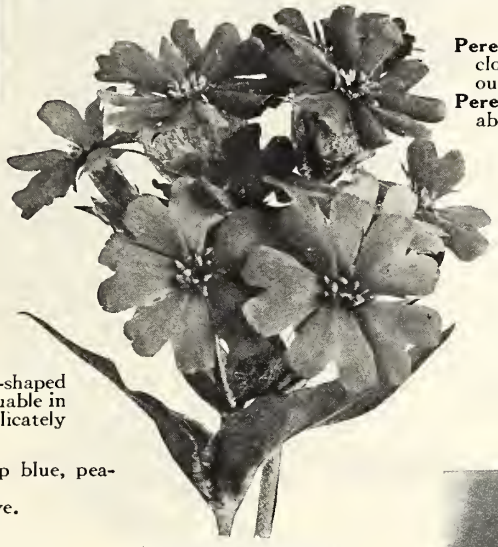
Any of the above various Irises, 30 cts. each; $3 per doz.; $18 per 100

Lavandula · Sweet Lavender

Vera. 1½ to 2 ft. A popular, old-fashioned plant with fragrant blue flowers and foliage. June, July. 35 cts. each; $3.50 per doz.
Vera, Munstead Variety. 9 in. A dwarf, compact form of the above. Good for edging or the rock garden. May, June. 50 cts. each; $5 per doz.

Leontopodium · Edelweiss

Alpinum. 6 in. A well-known alpine with pretty white leaves and small yellow flowers which are surrounded by star-like heads of leaves, clothed with a dense white, woolly substance. A splendid plant for the rock garden. June to August. 35 cts. each; $3.50 per doz.



Lychnis chalcedonica

Linum · Flax

Perenne. 2 ft. A continuous succession of clouds of sapphire-blue flowers throughout summer.
Perenne album. A white variety of the above.

All Linums, 25 cts. each; $2.50 per doz.; $15 per 100

Liatris

Callilepis. Stems 2½ to 3 feet high, covered with deep lilac flowers. July to August. 35 cts. each; $3.50 per doz.
Pycnostachya. 4 to 5 ft. Long, slender stems; rosy purple flowers. July, August. 25 cts. each; $2.50 per doz.; $15 per 100.



Lythrum

Lychnis

Alpina. 6 in. Compact cushions of rich green leaves, studded in April and May with heads of pink flowers.
Chalcedonica (Jerusalem Cross). 2 to 3 ft. Stout, leafy stems, bearing large, flat heads of bright scarlet flowers. July, August.
Chalcedonica alba. A white variety of the above.

All Lychnis, except where noted, 25 cts. each; $2.50 per doz.; $18 per 100

Lysimachia

Nummularia. A prostrate trailer, spangled during spring and early summer with large, clear yellow flowers. Valuable for planting under trees or shrubs where grass will not grow. 25 cts. each; $2.50 per doz.; $15 per 100.

Lythrum

Virgatum, Rose Queen. 3 to 4 ft. A shapely bush formed of many slender stems which are thickly covered three-quarters of their length with rosy pink flowers. July to September. 30 cts. each; $3 per doz.; $18 per 100.

Mazus

Rugosus. A prostrate grower, forming a dense, green carpet, studded in spring with large violet flowers spotted with gold. 35 cts. each; $3.50 per doz.; $20 per 100.

We specialize in Hedge Plants. See page 108. It will pay you to get a copy of "1001 Garden Questions Answered." See page 117

Mertensia · Bluebells

Virginica. Blooms very early in the spring. Flowers bright blue, fading to pink, borne on graceful, drooping stems about 1½ feet high. A very desirable addition to every spring garden. 35 cts. each; $3.50 per doz.



Mertensia

Monarda

Didyma (Bergamot). Bright red heads of flowers on 3-foot stems. The whole plant is fragrant. June to August. 25 cts. each; $2.50 per doz.; $15 per 100.

Myosotis · Forget-me-not

Everyone is familiar with the Forget-me-not that makes such beautiful pictures in the garden in early spring. They are alike charming in the border, rock garden, or by the waterside.

Palustris semperflorens. Very dwarf; bloom from spring until autumn. 25 cts. each; $2.50 per doz.; $15 per 100.

Nepeta

Mussini (Catmint). A many-stemmed, somewhat trailing plant with silvery leaves. During June it bears spikes of lavender-blue flowers in great profusion. Most effective if grown in large masses. 25 cts. each; $2.50 per doz.; $18 per 100.

Œnothera

Evening Primrose

Missouriensis. A fine trailing plant with very large, pale yellow flowers, 5 to 6 inches in diameter. One of the best perennials for rock garden or border. June to August.

Speciosa. 2 ft. Erect plant with snow-white flowers in great profusion throughout summer.

All Œnotheras, 30 cts. each; $3 per doz.; $18 per 100



Œnothera missouriensis

Pachysandra

Terminalis. 6 to 9 in. One of the most valuable evergreen shrubs for dense shade. Has low habit, sometimes even trailing. Fine, glossy, light green leaves in abundance. Greenish white flowers in May or June, arranged in spikes. 25 cts. each; $2.50 per doz.; $15 per 100.

Papaver

Nudicaule (Iceland Poppy). Dwarf, free-flowering plants, bearing solitary blossoms on stems about 1 foot in height. Good for cutting. May to August. 30 cts. each; $2.50 per doz.; $18 per 100.

Orientale (Oriental Poppy). Immense, cup-shaped blooms of brightest crimson-scarlet, with large, purplish black blotches at base of petals, creating a wonderful contrast when bloom is fully open. Clumps of these throughout the border add a brilliancy that no other flower can provide. 35 cts. each; $3.50 per doz.; $20 per 100.

Orientale olympicum. 2½ ft. The only double form of the Oriental Poppy. Rich scarlet flowers. 35 cts. each; $3.50 per doz.

SACCO
The perfect plant food for Lawn and Garden



Papaver nudicaule



Pentstemon Digitalis

Pardanthus

Chinensis (Blackberry Lily). 3 ft. Bright orange, lily-like flowers with brownish purple spots, followed by conspicuous black seeds resembling blackberries. July, August. 30 cts. each; $3 per doz.; $18 per 100.

Pentstemon

Barbatus Torreyi. 4 ft. Graceful, tapering stems, covered with large, tubular, scarlet flowers. June to August.

Digitalis. 2 to 3 ft. White, tubular flowers with purple throat. Good for cutting. June, July.

All Pentstemons, 25 cts. each; $2.50 per doz.; $18 per 100

Physalis

Francheti (Chinese Lantern Plant). Valuable for its bright, orange-scarlet, lantern-like fruits in fall. When cut and dried, they make an effective winter decoration in the home. Plants attain a height of 1½ feet, with small white flowers in May and good foliage all summer. 25 cts. each; $2.50 per doz.; $18 per 100.

Our 2-year-old Roses will give an abundance of bloom this season



Peonies featured in a Perennial border

CHOICE PEONIES

Peonies are delightful companions for irises; their dense foliage alone makes a charming background and their wonderful abundance of gorgeous and gay-colored flowers blend so beautifully with the colors in the irises that each enhances the beauty of the other.

Both are so hardy, so easy to grow, so sure to bloom, so ready to respond eagerly to any little care and attention, that a lover of one must necessarily have or develop a fondness for the other.

Albert Crousse. Bomb type. Large, well-formed flowers of soft shell-pink, with faint salmon tints. Vigorous grower with tall, erect stems. Very fine as a cut-flower. Late. 75 cts. each.

Baroness Schroeder. Rose type. White with shadings of flesh. This is one of the finest Peonies. Its immense flowers of great substance with high chalice-shaped center are freely produced, lasting a long time. Very fragrant. Late. $1 each.

Couronne d'Or. Semi-rose type. Immense, full flowers, pure white with a ring of yellow stamens around a tuft of center petals tipped carmine, gaining the title of "Crown of Gold." 75 cts. each.

Edulis Superba. Crown type. Beautiful bright clear mauve-pink with silvery reflex. Decoration Day Peony. Very early. 75 cts. ea.

Eugenie Verdier. Very large, compact blooms of pale hydrangea-pink, with outer guard petals lilac-white. Fragrant. Extra-strong stems. Late. $1.50 each.

Felix Crousse. Rose type. Rich, dazzling ruby-red without a tinge of purple. None better. Late midseason. $1 each.

Festiva Maxima. Rose type. The finest white in existence. Pure white with clear carmine spot on edge of center petal. Early. 50 cts. each.

Germaine Bigot. Crown type. Very large, compact flower, composed of broad petals. Color lilac-rose, center prominently flecked crimson. Strong, erect grower with medium tall stems. Very free blooming. Midseason. $1.25 each.

La Tendresse. Rose type. Very full, large flowers borne in clusters. Color milk-white, sometimes splashed with carmine. Tall, strong grower; free bloomer; fragrant. Midseason. 75 cts. each.

Lord Kitchener. Rose type. Color a brilliant cherry-red—a most dazzling hue. Very early. 75 cts. each.

Marquis C. Lagergren. Semi-rose type. Large; bright velvety crimson. One of the finest reds ever produced. $2 each.

Mme. Emile Lemoine. Semi-rose type. Large, globular, compact flower. Glossy white, overlaid with a sheen of tender satiny pink covered with minute lilac dots. Very beautiful. $1 each.

Mme. Jules Dessert. Rose type. Creamy white overlaid with a pronounced pink, center intermixed with golden stamens. Very large, with broad, delicate petals of translucent texture. A charming variety and should be in every collection. $5 each.

Mons. Jules Elie. The peerless pure pink. Broad, reflexing guards with a high pyramidal body of semi-quilled petals converging to an apex. One of the largest, handsomest, and most lasting cutting sorts in existence. $1.25 each.

Reine Hortense (President Taft). Rose type. Enormous, compact flat flower of soft flesh color, deepening to shell-pink; center showing crimson splashes, sometimes faint stripes on the face of the petals. Well formed and very striking. Deliciously fragrant. A vigorous grower and profuse bloomer. Fine for cut-flowers and usually in bloom just about Decoration Day. Midseason. $1.25 ea.

Sarah Bernhardt. Semi-rose type. Very large flower of perfect form, full and double, with twisted imbricated petals. Color apple-blossom-pink with each petal silver-tipped. Strong grower, free bloomer, and very fragrant. One of the finest and most dependable Peonies ever produced, attracting attention in every garden. Late midseason. $1.50 each.

Solange. Rose type. A very large, full, compact flower of indescribable beauty. Color rare, deep orange-salmon at the heart, overlaid with delicate tender reddish brown—a most unique color combination. The plant is a strong, robust grower and very abundant bloomer. Considered as one of the most unusual and charming Peonies ever produced. Midseason. $6 each.

Suzette. Semi-rose type. Bengal-rose, lightly shaded carmine-purple, with silvery reflex. Strong stems. Rare. Midseason $1 each.

Phlox

One of the most important families of hardy perennials and should be well represented in every collection. They deserve a prominent position in every garden of hardy flowers, since they thrive in most soils; however, a rich loam is most desirable. By growing a complete collection, they can be had in bloom from early June until late fall.

Albion. 2½ ft. White with faint red eye.
Antonin Mercier. 2 ft. Soft lilac-blue with white center.
Bacchante. 2½ ft. Fiery pink with crimson eye.
Baron van Dedem. 2 ft. Glowing crimson.
Enchantress. Salmon-pink.
Europa. 2½ ft. White with carmine eye.
La Vogue. 2½ ft. Pinkish mauve.
Mrs. Jenkins. 2½ ft. Pure white; large trusses.
Rijnstroom. 2½ ft. Rose-pink, very large individual flowers.
Rosenberg. 2 ft. Carmine-violet with reddish eye.
R. P. Struthers. 2 ft. Rosy red with crimson eye.
Thor. 2½ ft. Very large trusses of dazzling pink flowers.
Suffruticosa, Miss Lingard. 2½ ft. A good variety for cutting. Pyramidal trusses of white flowers with faint lilac eyes. June to September.
W. C. Egan. Large, pink flowers.

All above Phloxes, 25 cts. each; $2.50 per doz.; $15 per 100



Hardy Phlox

DWARF VARIETIES

Amœna. Compact tufts of glossy green foliage and masses of vivid pink flowers in April and May.

Divaricata. 9 in. Trusses of large, fragrant, lavender-blue flowers. May.

Subulata alba (Moss Pink). 6 in. Moss-like foliage covered in April and May with sheets of white flowers.

Subulata atrolilacina. Masses of deep lilac blooms entirely cover the plants during April and May. The flowers of this plant are the nearest approach to blue of any variety of this type of Phlox. 35 cts. each; $3.50 per doz.; $20 per 100.

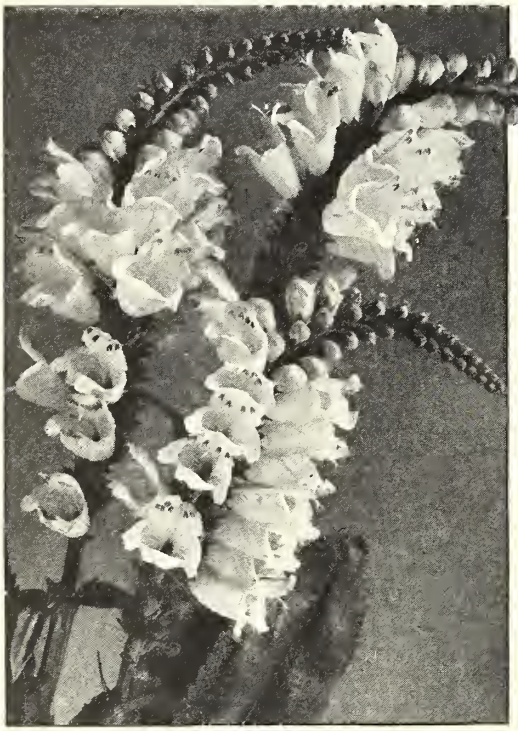
Subulata, G. F. Wilson. One of the best and most floriferous of spring-flowering plants. The mats of glossy foliage are completely hidden by sheets of starry lavender flowers in April and May. 35 cts. each; $3.50 per doz.; $20 per 100.

Subulata lilacina. Light lilac.

Subulata rosea. Rose-pink. Fine for covering banks. Thrives in hot, dry situations, and blooms profusely.

Subulata, Vivid. The most attractive of the dwarf Phloxes. It is a neat, compact grower, and when in bloom, nothing can be seen but a sheet of warm salmon-rose flowers. 50 cts. each; $5 per doz.; $30 per 100.

All Phloxes, except where noted, 25 cts. each; $2.50 per doz.; $18 per 100



Physostegia

Polyanthus

A choice mixed strain, varying from white to crimson. 9 in. May. 30 cts. each; $3 per doz.; $18 per 100.

Physostegia

Virginiana. 3 ft. Long, slender spikes, closely covered with pinkish mauve, tubular flowers. July, August.

Virginiana alba. White form of above.

All Physostegias, 25 cts. each; $2.50 per doz.; $15 per 100.

Use Sacco, the perfect plant food



Phlox subulata

New Dwarf Physostegia

Grandiflora. A plant of recent introduction and a most valuable acquisition. It produces numerous stout, square stems 1 to 1½ feet high, each covered with large, brilliant pink flowers, somewhat resembling a snapdragon in shape. The value of this plant is enhanced by its being an addition to the very few dwarf late-flowering plants. August, September. 30 cts. each; $3 per doz.; $18 per 100.

Platycodon · Balloon Flower

Grandiflorum. 2 ft. Blue, bell-shaped flowers, borne on slender stems. June to October.

Grandiflorum album. A white variety of the above.

All Platycodons, 25 cts. each; $2.50 per doz.; $15 per 100



Pyrethrum

Hardy Pink

A highly popular group of old-fashioned garden plants, esteemed for their extreme floriferousness and delicious fragrance. They grow 12 to 15 inches high and bloom in May and June.

Excelsior. Delicate rose-pink.
Her Majesty. Pure white; large flowers.
Homer. Deep rose with darker center.
Juliette. White, laced crimson.
Lord Lyon. Deep rose.
White Reserve. Pure white.

All Pinks, 25 cts. each; $2.50 per doz; $15 per 100

Plumbago

Larpentæ (Leadwort). 1 ft. Forms compact tufts of innumerable wiry stems, each one terminating in a dense truss of cobalt-blue flowers. August to October. 30 cts. each; $3 per doz.; $18 per 100.

Polemonium

Humile. 6 in. A choice and rare rock-plant of neat, tufted habit, bearing dense trusses of satiny, pale blue flowers in great profusion. May, June. 50 cts. each; $5 per doz.

Richardsoni (*P. humile*). 1½ ft. Neat tufts of vivid green foliage and erect spikes of pale blue flowers. May. 30 cts. each; $3 per doz.; $18 per 100.

We sell Sacco, the perfect plant and lawn food. See page 118

Pyrethrum

The Pyrethrums are so simply and easily cultivated that they may be recommended to all who possess a garden. They are perfectly hardy and absolutely invaluable for cut-flowers through the summer and early fall.

Roseum. 2 ft. Daisy-like flowers varying in color from white to crimson. Useful for cutting. June. 25 cts. each; $2.50 per doz.; $15 per 100.

Ranunculus

Acris fl.-pl. This plant is too often confused with the following variety which is generally sold for it. Of late years it has become very scarce and we are pleased to be able to offer the true plant. The glistening yellow flowers are small, very double, and are borne on strong, erect stems, from 2½ to 3 feet in height, the whole inflorescence forming a loose pyramid. It is one of the real old-fashioned plants and is equally valuable for border decoration or for cutting. May, June. 25 cts. each; $2.50 per doz.

Repens fl.-pl. 1 to 1½ ft. Small, double, yellow flowers on branching stems. Valuable for cutting. April, May. 25 cts. each; $2.50 per doz.; $15 per 100.

Rudbeckia

Golden Glow. 6 ft. Double, deep yellow flowers. July to September.

Purpurea (Giant Purple Coneflower). 3 ft. Peculiar reddish purple flowers, with a very large, brown, cone-shaped center. Blooms from July to October.

All Rudbeckias, 25 cts. each; $2.50 per doz; $15 per 100



Salvia azurea grandiflora

Sagina

glabra. 2 in. Emerald-green cushions of moss-like growth covered in spring with numberless, small white flowers. 30 cts. each; $3 per doz.; $15 per 100.



Plumbago Larpentæ

Salvia · Meadow Sage

Azurea grandiflora. 4 to 5 ft. Tall, straight stems, covered for half their length with sky-blue flowers. August to October.

Pratensis. Branching stems of rich, violet-blue flowers.

All Salvias, 30 cts. each; $3 per doz.; $18 per 100

Santolina

Chamæcyparissus incana (Cotton Lavender). A sweet-smelling, dwarf, evergreen perennial, with delicate, silver-white foliage, useful as rock or border plants; also largely used in carpet bedding. 25 cts. each; $2.50 per doz.; $15 per 100.

Saponaria

Ocymoides. A good plant for carpeting in the herbaceous border or for trailing down the slopes in the rock garden. Spangled with bright pink flowers in spring. 25 cts. each; $2.50 per doz.; $18 per 100.

Rock-Gardens are becoming more popular each year. See our list of Special Rock-Garden Plants on page 105



Saxifraga

Saxifraga

This plant is always a favorite in the rock-garden, both for its pink flowers in April and for its unusual foliage. The glaucous, oval leaves assume attractive autumn tints.

Cordifolia. Light pink. **Crassifolia.** Rosy pink.

All Saxifragas, 35 cts. each; $3.50 per doz.; $25 per 100

Scabiosa

Handsome border plants, succeeding in any ordinary well-drained soil in a sunny location, and should be grown in every garden where cut-flowers are wanted. They last a long time when picked and placed in water.

Caucasica. 2½ ft. One of the finest hardy plants, bearing throughout summer a succession of large, soft lilac flowers on long stems.

Caucasica alba. A white variety of the above.

All Scabiosas, 30 cts. each; $3 per doz.; $18 per 100

Scutellaria

Baicalensis cœlestina (Skull-cap). 1½ ft. Clear blue flowers, resembling those of a snapdragon in shape, are freely borne on thin, wiry stems from early summer until frost. 30 cts. each; $3 per doz.; $18 per 100.

Sedum · Stonecrop

The dwarf varieties are charming plants for sunny positions in the rockery, etc., and the taller kinds make effective color groups in the border. They thrive in almost any soil, are especially fond of sand and full sun, and may be considered the backbone of the American rock-garden.

Acre. A dwarf grower which quickly forms a thick carpet of vivid green, moss-like foliage and is hidden by yellow flowers in May.

Album. 6 in. Small, succulent leaves which turn reddish bronze in fall. Trusses of white flowers in June and July. An excellent edging plant.

Hispanicum. 3 in. A minute plant forming spreading tufts of gray foliage becoming bronze in fall.

Kamtschaticum. Leafy, prostrate stems which in July and August bear clusters of star-shaped, orange-colored flowers.

Lydium. 4 in. Carpets of bright green foliage which turns reddish bronze during summer.

Obtusatum. 4 in. A rare and attractive Stonecrop. Small, round, fleshy leaves, dull green in spring but which turn red in summer. Yellow flowers. June. 35 cts. each; $3.50 per doz.

Reflexum. 9 in. Clusters of golden flowers. June, July.

Sarmentosum. Fleshy leaved trailer with yellow flowers.

Sexangulare. 6 in. Dwarf trailer. Green foliage and yellow flowers. June, July.

Spectabile. 1½ ft. Erect, sturdy habit with broad, glaucous leaves. The rosy purple flowers are borne in large, flat heads and retain their beauty for two months. August, September.

Spectabile, Brilliant. A deeper-colored variety than the preceding, being a vivid amaranth-red.

Stoloniferum. 6 in. Large clusters of pink flowers on prostrate, trailing stems. June, July.

All Sedums, except where noted, 25 cts. each; $2.50 per doz.; $18 per 100

Sempervivum · Houseleek

Arachnoideum. 3 in. Rosettes of fleshy leaves covered with silky hairs resembling a cobweb. 25 cts. each; $2.50 per doz.; $15 per 100.

Sidalcea

Rosy Gem. 2½ ft. Pink, mallow-like flowers on slender, graceful stems. July. 35 cts. each; $3.50 per doz.

Spiraea · Goat's Beard; Meadow-Sweet

Fine border plants, with feathery plumes of flowers and neat, attractive foliage. Succeeds in all locations.

Filipendula (Dropwort). 2½ ft. Loose clusters of creamy white flowers, tipped with red, borne on slender stems rising from tufts of fern-like foliage. June.

Ulmaria (Meadow-Sweet). 2½ ft. Loose heads of creamy white flowers on long, straight stems. June, July.

Ulmaria fl.-pl. 3 ft. A double-flowered variety of the above and a much superior plant. Excellent for cutting.

All Spireas, 35 cts. each; $3.50 per doz.; $25 per 100

Stokesia · Cornflower Aster

A most charming and beautiful native hardy plant. The plant grows from 1½ to 2 feet high, bearing freely from early July until late in October, its handsome, centaurea-like blossoms measuring from 4 to 5 inches across.

Cyanea. 1½ ft. A showy plant with large blue flowers on somewhat straggling stems. August to October.

Cyanea alba. A white form of the preceding.

All Stokesias, 25 cts. each; $2.50 per doz.; $15 per 100

Statice

Latifolia (Sea Lavender). 1½ to 2 ft. Branching flower-stems bearing countless small, blue-purple flowers which retain their color long after being cut and dried. Very good for cutting. August, September. 25 cts. each; $2.50 per doz.; $15 per 100.



Use Red Arrow, a modern insect control. See page 133

Rudbeckia, Golden Glow. See page 99



Spirea filipendula. See page 100

Sweet William (*Dianthus barbatus*)

A well-known, free-flowering hardy perennial, bearing heads of fragrant, richly colored flowers.

Pink Beauty (Newport Pink). A beautiful shade of salmon-pink; very large heads on long stems.

Scarlet Beauty. Large heads of an intense scarlet color; very striking.

Holborn Glory. Giant-flowering varieties in finest assortment of colors.

Single White.

All Sweet Williams, 25 cts. each; $2.50 per doz.; $15 per 100

Thymus · Thyme

The Thymes make a perfect, close, fragrant carpet on hot, dry, sunny banks where grass is difficult to establish. They are a sheet of blossom in June and July. A valuable trailing plant for the rockery.

Serpyllum albus. A white-flowering form.

Serpyllum coccineus (Scarlet Thyme). Dark green foliage and bright red flowers.

Serpyllum lanuginosus (Woolly-leaved Thyme). Woolly foliage and bright pink flowers.

All Thymus, 25 cts. each; $2.50 per doz.; $18 per 100

Thalictrum · Meadow Rue

Hardy plants, valuable for their attractive foliage and very graceful plumose flowers. Foliage colors in the fall. Desirable for cutting where an attractive green is needed. Will thrive in partial shade.

Adiantifolium. 2½ ft. Clumps of maidenhair-like foliage and long spikes of loosely arranged, small, yellowish white flowers, good for cutting. They can be used in place of *Gypsophila paniculata* before that is available. June, July.

Aquilegifolium. 2½ ft. Columbine-like foliage and feathery heads of creamy white flowers. June, July.

Aquilegifolium purpureum. Pinkish purple flowers.

Dipterocarpum. 4 ft. Long, graceful sprays of rosy purple flowers, with conspicuous yellow anthers, are borne over handsome fern-like foliage. June, July. 35 cts. each; $3.50 per doz.

Glaucum. 2 ft. Glaucous foliage and large, feathery heads of yellow flowers.

All Thalictrums, except where noted, 30 cts. each; $3 per doz.; $18 per 100

Trollius · Globe Flower

Orange Prince. 2 ft. This beautiful, hardy, robust border plant has handsome dark green foliage and showy orange-yellow flowers in profusion. Well adapted for half-shady or sunny positions. Very fine. May, June. 50 cts. ea.; $5 per doz.



Trollius, Orange Prince

Trillium

Grandiflorum (Wood Lily; Wake Robin). Excellent plants for shady positions in the hardy border. Large, pure white flowers in early spring. 15 cts. each; $1.50 per doz.; $9 per 100.



Sweet William



Trillium grandiflorum

Tritoma

Pfitzeri (Torch Lily). 2 to 3 ft. A very distinct and handsome late-flowering perennial, with tufts of grass-like foliage and thick, fleshy stems covered with orange-scarlet, tubular flowers. September, October. 50 cts. each; $5 per doz.

Mixed Hybrids. A choice mixture, varying from yellow to scarlet. 25 cts. each; $2.50 per doz.; $18 per 100.

Tunica

Saxifraga. 6 in. Tufts of grass-like foliage and stems bearing small, rosy pink flowers. July to September. 30 cts. each; $3 per doz.; $18 per 100.

Valeriana

Officinalis. 3 to 4 ft. A strong-growing and free-flowering plant bearing large heads of pale pink flowers. June, July. 25 cts. each; $2.50 per doz.; $15 per 100.

Viola

Pedata (Bird's-Foot Violet). 6 in. Tufts of finely divided leaves and lilac-blue flowers. April, May. 25 cts. each; $2.50 per doz.; $15 per 100.

Jersey Gem. One of the best hardy plants of recent introduction, and one that cannot be too highly praised. It possesses every good quality that a plant should have, and, as far as we know, no bad ones. Blooms freely and continuously from spring until frost, and the flowers, royal purple in color, are not affected by the sun. Its foliage is a rich, healthy green, and its habit of growth is neat and compact. In the garden it can be used for edging or massing in beds. 30 cts. each; $3 per doz.; $18 per 100.



Yucca filamentosa

Yucca

Filamentosa (Adam's Needle). Among hardy plants there is nothing more effective and striking for isolated positions on the lawn or on dry banks where few other plants thrive. It is also indispensable for the rockery. Its broad, sword-like, evergreen foliage and immense branching spikes of drooping, creamy white flowers, rising to a height of 6 feet, render it a bold and handsome subject wherever placed. 30 cts. each; $3 per doz., $18 per 100.

SPECIAL OFFER OF HARDY PERENNIAL PLANTS FOR CUTTING

4 plants of 12 varieties (48 plants in all), our selection $8

4 plants of 24 varieties (96 plants in all), our selection $15



Tritoma Pfitzeri

Veronica

Incana. 1 ft. Compact masses of silvery foliage and deep blue flowers. May, June.

Longifolia subsessilis. 2 ft. One of the handsomest blue-flowering plants. Perfectly hardy and increases in strength and beauty each year. Spikes completely studded with beautiful blue flowers. Fine for cutting and one of the best plants for the hardy border. July to September. 35 cts. each; $3.50 per doz.

Repens. 4 in. Carpets of evergreen foliage entirely covered in spring with very pale blue flowers.

Teucrium rupestris. 6 in. A prostrate trailer forming a thick green carpet which is almost hidden in May and June by myriads of clusters of deep blue flowers.

Spicata. 2 ft. Spikes of blue flowers. June to August.

Spicata rosea. A delicate pink variety of above.

All Veronicas, except where noted, 25 cts. each; $2.50 per doz.; $18 per 100



Spikes of Veronica in a perennial planting

CHRYSANTHEMUMS



OURAY



UVALDA



MRS. H. HARRISON



MIRAMAR



CHRYSOLORA



FIRELIGHT

[2 plants of each of above (12 in all), for $2.50
6 plants of each of above (36 in all), for $7.00
12 plants of each of above (72 in all), for $13.00]

After all other flowers are gone, the Chrysanthemums will keep the garden gay for many weeks, even after hard freezes. Plant lots of them; you will never regret it.



HELIANTHEMUM, Praecox

35 cts. each; $3.50 per doz.

Gray little shrubbery plants covered with hundreds of silky flowers, like miniature single roses.



VIOLA, Jersey Gem

30 cts. each; $3 per doz.

Lovely plants, in flower all season; pretty for cutting, edging, and rock-gardens. The flowers are like giant violets.

ROCK-GARDEN PLANTS

3 plants of each (12 in all) for $2.75



AQUILEGIA
Mrs. Scott Elliott's Strain

30 cts. each; $2.50 per doz.

Charming, graceful plants, bearing myriads of variously colored flowers on slender stems. In bloom for weeks.



HARDY PINKS

25 cts. each; $2.50 per doz.

Pretty both in foliage and flower. The deliciously scented flowers have been popular for ages. Very hardy and dependable.



Waterer's Superb Rock-Garden Plants

Today, more than ever before, lovers of flowers everywhere are building rock-gardens. Somehow the plants of the mountains seem to exceed in brilliance of color and daintiness. Not many years ago, rock-gardening was chiefly confined to our parks and botanical gardens. Now all that is changed and rock-gardening is rapidly coming into its own.

Being frequently asked for a selection of plants suitable for rock-gardens, we append the following list as being adapted for that purpose. A careful selection will provide a supply of flowers from spring until fall.

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Phlox amœna	98
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Polemonium humile	99
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Saponaria ocymoides	99
Saxifraga cordifolia	100
Saxifraga crassifolia	100
Sedum acre	100
Sedum album	100
Sedum hispanicum	100
Sedum lydium	100
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Our Special Offer of Rock-Garden Plants

4 Plants of 12 Varieties (48 Plants), our selection $8 00
4 Plants of 24 Varieties (96 Plants), our selection $15 00

WATERER'S DECIDUOUS FLOWERING SHRUBS

Whether planted individually or collectively, shrubs are an important feature in the adornment of any grounds. In such locations where they can be used as specimens, and thus allowed space for symmetrical development, their grace and beauty appear to perfection. Along borders of the lawn, on banks and slopes, along walks and drives and in corners, collections of shrubs may be gathered that will give a succession of bloom from the opening of spring until autumn.

The rich green of the summer foliage plays a greater part in landscape effect than is often realized. The autumn color which the leaves of many varieties assume sets the lawn ablaze at that season. The brilliant berries of some sorts tempt the birds to linger, and, together with the bright bark of such shrubs as some of the Dogwoods, give a tone of color even to the gray landscape of winter.

Althæa · Rose of Sharon

Attractive, hardy shrubs, with large, handsome flowers, extensively cultivated in American gardens, and flowering in the late summer months—August to November—when there are but few shrubs in blossom.

Alba Plena. Double; white, crimson center.

Anemoneflora. Double; dark rose.

Duchesse de Brabant. Double; dark red.

Jeanne d'Arc. Double; pure white.

All Althæas, 2 to 3-ft. plants, 75 cts. each

Amygdalus · Flowering Almond

Hardy, free-flowering shrubs with graceful foliage and showy flowers in early spring. They are splendid garden subjects, thriving in almost any well-drained soil.

Japonica nana. Double; soft pink flowers.

Japonica nana alba. White form of above.

All Amygdalus, 2 to 3-ft. plants, $1 each

Azaleas

The deciduous Azaleas are shrub-like in habit, free-flowering, and exceedingly hardy. The native varieties particularly are being largely used for mass grouping and woodland planting. When established they never fail to make an annual display that is simply gorgeous.

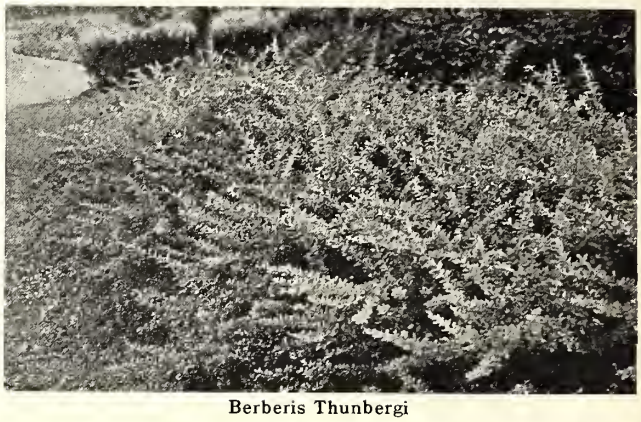
Amœna. Bright rosy purple flowers in great masses. Bushy plants 10 to 12 inches high, $1.50 each; $15 per doz.

Hinodegiri. Bright fiery red flowers. Bushy plants, 10 to 12 inches high, $2 each; $20 per doz.

Mollis. Large, showy flowers in shades of orange and red. Large hairy leaves. May, June. 12 to 15 inches high, $3 each.



Philadelphus Virginal. See page 107



Berberis Thunbergi

Berberis · Barberry

Thunbergi (Thunberg's Japanese Barberry). An iron-clad shrub, native of Japan, of low dense habit and having thorny branches. The bright green leaves, in autumn, assume dazzling tones of orange-scarlet and crimson. Its brilliant red berries, borne in great profusion, persist throughout the winter, and, together with the brilliant foliage, make this shrub invaluable in any planting. It thrives in almost any soil. 1½ to 2 ft., hedge plants, $3.75 per doz.; $27 per 100.

Thunbergi atropurpurea (New Red-leaved Japanese Barberry). This is, unquestionably, the most valuable ornamental shrub that has been offered in many years. In habit of growth and in fruiting it is identical with the popular Japanese Barberry, but its foliage, as soon as it develops in early spring, assumes a rich bronzy red color, just a trifle deeper than the color of the red Japanese maple, and it not only retains this rich coloring from early spring until fall, but, unlike other red-leaved shrubs, this coloring becomes more intense and richer during the hot summer months. Late in the autumn it takes on the varied brilliant high colors of the ordinary Japanese Barberry but in an intensified form, followed by the same brilliant scarlet berries common to the type and which remain on the plant the entire winter.

	Each	Doz.	100
Plants, 9 to 12 inches high	$0 50	$5 00	$35 00
Plants, 12 to 15 inches high	75	7 50	60 00
Plants, 15 to 18 inches high	1 00	10 00	75 00

Buddleia · Butterfly Bush

Variabilis magnifica (Sweet-scented Buddleia). This greatly improved variety is a genuine acquisition among shrubs. Although it really belongs to the shrub group, it is of equal value in the perennial border where it enhances the display from early July until frost by the profusion of fragrant, violet-colored racemes, and where they prove a great attraction to bees and butterflies. Also an excellent cut-flower. Protect during winter with soil or coarse manure to a height of 1½ feet from the ground. 60 cts. each.

Calycanthus · Sweet Shrub

Floridus (Allspice; Strawberry Shrub). 2 to 3 ft. Chocolate-colored flowers of a peculiar fragrance, hiding themselves among broad, green, lustrous foliage. Old-fashioned shrub of upright habit. Thrive in open or shaded places in a good, moist, loamy soil. 75 cts. each.

Cercis

Canadensis (Judas Tree; Red-Bud). A showy, tall shrub or small tree. All the branches and twigs are covered with a mass of small rosy pink flowers before the leaves appear. 3 to 4-ft. plants, $1 ea.

Clethra

Alnifolia (Sweet Pepper Bush). Of rather low growth, with dense light green foliage. Covered in July and August with spikes of small, creamy white, delightfully fragrant flowers. Sometimes used for hedging. 75 cts. each.



Hydrangea paniculata grandiflora

Cornus · Osier; Dogwood; Cornel

Hardy, vigorous shrubs, thriving best in moist, fertile soil. In addition to the showy flowers and fruits which characterize most of the species, they are very attractive in winter on account of the brilliant color of the bark.

Alba (Siberian Red Osier). Bright, blood-red branches. Flowers creamy white in numerous flat-topped clusters. Fruit light blue. Grows 6 to 10 feet high. 3 to 4-ft. plants, 75 cts. each.

Sanguinea (Red-twigged Dogwood). A strong-growing bush, with crimson-colored branches that are attractive in winter. 75 cts. each.

Deutzia

Hardy, vigorous shrubs with showy flowers. Extremely floriferous, ornamental, and of easy culture. Thrives in almost any well-drained soil.

Crenata rosea fl.-pl. (Double Pink-flowering Deutzia). Very showy white flowers with one or two rows of the side petals a rosy purple. 3 to 4 ft., 75 cts. each.

Crenata, Pride of Rochester (Large-flowered Deutzia). Very large, double white flowers. 4 to 5 ft., 75 cts. each.

Euonymus

Japonicus. A very useful and decorative green shrub, with thick, shining leaves. Thrives well near the seashore. 1½ to 2 ft., $2.25 each.

Forsythia · Golden Bell

Few, if any, of the hardy spring-flowering shrubs can surpass the splendor and brilliancy of the Forsythias. Both grace and beauty are combined in all their attributes to give them rank for any station in the shrub plantation. They thrive in almost any fertile soil.

Fortunei. Strong, erect habit. Bright golden yellow flowers in early spring. 75 cts. each.

Suspensa (Weeping Golden Bell). A tall shrub of willowy growth, the branches gracefully arching, covered with golden yellow bells in early spring. 75 cts. each.

Hydrangea

Grand flowering shrubs, admirably adapted for border planting, either as specimen plants or in masses. A moist, fertile soil, with full or partial sun, is best adapted to their requirements.

Arborescens grandiflora (Snowball Hydrangea). This new variety is one of the finest American shrubs. It is a vigorous grower with pure white flowers. Thrives best in a moist location. Large plants, 75 cts. each.

Paniculata grandiflora (Large-flowered Hydrangea). Undoubtedly one of the most popular and showy shrubs in cultivation. Flowers creamy white when fully developed, soon assuming tones of rose and bronze on the exposed sides. This shrub requires severe pruning in early spring to insure the largest flower trusses. 75 cts. each.

Ligustrum

Ovalifolium aureum (Golden-leaved Privet). A beautiful golden variegated form and very effective for associating with other dwarf shrubs. 75 cts. each.

Lonicera · Bush Honeysuckle

Morrowi. A handsome Japanese variety, with white flowers during May, but especially valuable for its bright red fruit during the summer and autumn months.

Tatarica (Tatarian Honeysuckle). The favorite, old-fashioned Bush Honeysuckle with slender, upright branches. Pink flowers in May; red berries in July.

All Loniceras, 3 to 4-ft. plants, 75 cts. each

Philadelphus · Mock Orange

Coronarius (Common Mock Orange). A hardy, free-flowering shrub, 8 to 10 feet tall, which adds beauty, grace, and perfume to our gardens. It has a profusion of showy, fragrant white flowers in spring and early summer. Foliage light green. 3 to 4-ft. plants, 75 cts. each.

Virginal. Flowers 2 inches in diameter, completely covering the branches in May and early June; slightly fragrant. One of the most desirable. 2 to 3-ft. plants, 75 cts. each.

Pyrus

Japonica (Japan Quince). A very showy, popular shrub, which blooms profusely in early spring. Flowers dazzling scarlet; yellow, pear-shaped fruits. Makes an excellent hedge, being spiny. Plants 75 cts. each.

Spiræa

A large group of showy, free-flowering shrubs of inestimable value. Among them may be found those that bloom in early spring and at periods from midsummer up to frost. They thrive best in moist, fertile soil, preferring sunny exposures.

Anthony Waterer (Crimson Spirea). Flowers bright, rosy crimson, disposed in dense corymbs. Very floriferous all summer. 1½ to 2 ft., 75 cts. each.

Our book on Shrubs, by Rockwell, will tell you how to plant and care for them. See page 134



Deutzia

SPIRÆA, continued

Prunifolia fl.-pl. (Bridal Wreath). A favorite variety and one of the best. It is a beautiful shrub of medium size, with double white flowers in May. 3 to 4-ft. plants, 75 cts. each.
Thunbergi (Snow Garland; Thunberg's Spirea). A beautiful shrub with numerous slender branches forming a dense, feathery bush 3 to 4 feet tall. Flowers white, in early spring, covering the plant as with a mantle of snow. 2 to 3-ft. plants, 75 cts. each.
Vanhouttei (Van Houtte's Bridal Wreath). A grand, arching shrub of garden origin 5 to 6 feet high. Leaves dark green. Flowers white in numerous umbels in late spring. 3-ft. plants, 75 cts. each.

Syringa · Lilac

Few shrubs are more universally admired than the Lilacs. They are among the most beautiful of our spring-flowering shrubs.

Charles X. Single. Fine clusters of lilac flowers with slightly violet tint.
Charles Joly. Double. Dark violet-purple, with silvery reverse.
Hugo Koster. Single. Lilac with reddish tint.
Marie Legrave. Single. Pure white; very free.
Mme. Casimir Perier. Double. White; very fine.
Mme. Lemoine. Double. Very large white flowers.
President Grevy. Double. Blue; fine large trusses.

All above Syringas, strong 2-ft. plants, well branched, $1.25 each

Vulgaris (Common Purple Lilac). Large, upright shrub with heart-shaped, bright green leaves. Flowers deliciously fragrant, in shades of lilac-blue and purple. 3 to 4-ft. plants, 75 cts. each.
Vulgaris alba (Common White Lilac). The old popular white variety similar to the preceding, differing only in point of color. 75 cts. each.

Tamarix

Africana (Tamarisk). Strong, slender, tall-growing, irregular shrubs, with feathery foliage and small, delicate flowers, borne profusely on gracefully bending branches. These pink flowers are very attractive during May. 75 cts. each.
Hispida æstivalis. A distinct variety, with delicate, soft, pink sprays of flowers in July and August, a time when the shrubbery border is comparatively bare of flowers. 75 cts. each.

Viburnum · Arrow-Wood

Hardy shrubs with showy flowers and foliage. Attractive not only when in blossom, but many species produce large clusters of bright or glistening berries and the foliage assumes brilliant and intense color tones in autumn. Thrives best in moist soils in sunny locations.

Plicatum (Japanese Snowball). The choicest of its class. Pure white, ball-shaped clusters of flowers in May. $1 each.



Viburnum tomentosum

VIBURNUM, continued

Tomentosum (Single Japanese Snowball). Leaves dark green with bronzy margins. Flowers white in flat-topped clusters. Berries red, changing to bluish black. 3 to 4-ft. plants, 75 cts. each.

Weigela · Diervilla

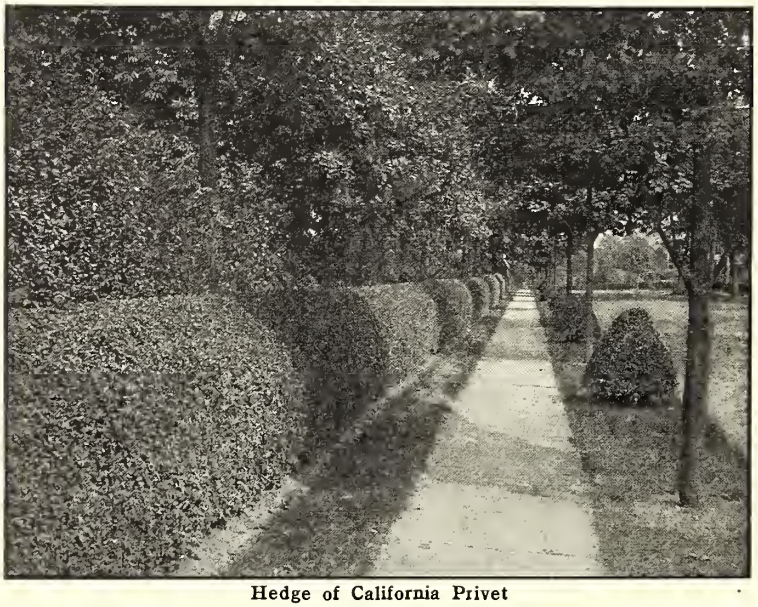
Hardy, free-flowering shrubs of spreading habit, thriving best in moist, loamy soil, and producing in late spring and early summer great masses of showy flowers.

Eva Rathke. The finest Weigelia in cultivation, flowering continuously during summer and fall. Flowers rich ruby-carmine. $1 each.
Rosea. The commonest and a favorite, with rosy pink flowers in June. 3 to 4-ft. plants, 75 cts. each.
Rosea nana variegata (Variegated Weigela). This is a variegated form of the above, enriching the collection of the fancy-colored foliage group. It is dwarf; the leaves variegated with white. Flowers white or slightly suffused with rose. 4-ft. plants, 75 cts. each.

HEDGE PLANTS

Barberry, Japan (*Berberis Thunbergi*)

Where a dwarf deciduous hedge is wanted, nothing equals this beautiful Barberry. Requires but little pruning to keep in shape. The leaves are small, light green, and toward fall assume rich, brilliant colors. The fruit or berries become scarlet and are extremely decorative on the plants all through the winter. Absolutely hardy in all parts of the country. Plant 12 to 15 inches apart. Extra-strong 3-year-old plants, 1½ to 2 feet high, $3.75 per doz.; $27 per 100.



Hedge of California Privet

Privet, California

(*Ligustrum ovalifolium*)

This is a rapid grower under all conditions, and has handsome glossy foliage that lasts well into the winter. It may be used as a specimen or in a hedge. Withstands any amount of pruning, and is extremely hardy. To make a good hedge, set the plants in a double row 6 inches apart and 6 inches between the rows. Strong, select, well-rooted plants, 1-year-old, 1½ to 2 feet high, $1.25 per doz.; $6 per 100; $50 per 1,000. 2-year-old, 2 to 2½ feet high, $1.50 per doz.; $8 per 100; $70 per 1,000.

Standard California Privet

This is an exceptionally fine lot of stock. The stems are of heavy caliper and straight. The heads have been frequently sheared.

GLOBE SHAPED

Our stock is compact and properly sheared to perfect balls.

18-in. diam	$1 75
20-in. diam	2 00
22-in. diam	2 75

GLOBE SHAPED, HEADS ON STEMS

Balled and Burlapped

2-ft. stems, heads 20-in. diam	$2 75
2½-ft. stems, heads 20-in. diam	3 00

HARDY CLIMBING PLANTS

Climbing vines are as necessary to the comfort and beauty of a home as the trees and shrubs we plant about it. They mature quickly and tone down the stiff, bold angles of new buildings, and give shade and flowers over verandas and trellises. On steep slopes and banks they prevent erosion. They ramble over unsightly, neglected places and make them beautiful. Some have fragrant and brilliant flowers. Vines are strong, robust growers that require little attention other than to occasionally train them.



Ampelopsis quinquefolia

Actinidia

Arguta (Silver Vine). A very desirable hardy Japanese climber of strong, vigorous growth, with dark green, shining foliage and greenish white flowers with purple centers, which are followed by clusters of edible fruit with fig-like flavor. An excellent plant for covering arbors, trellises, etc., where a rapid and dense growth is desired. Strong plants, $1 each.

Akebia

Quinata (Akebia Vine). One of the most graceful of our hardy climbers, with small, deep green foliage, and producing in early spring numberless bunches of violet-brown flowers which have a pleasant cinnamon odor. Most desirable for positions where a dense shade is not required. Strong plants, 50 cts. each; $5 per doz.

Ampelopsis

Engelmanni. A variety of the Virginia Creeper, with glossy green foliage, changing to brilliant crimson in autumn.

Lowi. Like *Ampelopsis Veitchi* it clings to the smoothest surface. The small, prettily lobed foliage changes to a brilliant crimson in autumn.

Quinquefolia (Virginia Creeper). Very large, green foliage, changing to brilliant scarlet in the fall; grows quickly and clings very firmly to walls, etc.

Veitchi (Boston Ivy). The best climber to cling to walls, trees, etc.

All Ampelopsis, 50 cts. each; $5 per doz.; $35 per 100

Aristolochia

Sipho (Dutchman's Pipe Vine). A vigorous, rapid-growing climber, bearing singular brownish colored flowers, resembling a pipe in shape. Its flowers, however, are of little value compared to its light green leaves, which are of very large size and retain their color from early spring to late fall; perfectly hardy. Strong plants, $1 ea.

Bignonia

Radicans (Trumpet Vine). Dark red, with orange throat. Very free-flowering. 50 cts. each; $5 per doz.

Clematis

No other climbing plant equals in attractiveness the beautiful large-flowering Clematis. Its requirements are somewhat different from most other plants, and proper conditions must be given to secure satisfactory results. They need rich, deep soil, perfect drainage, abundance of water, and, most important of all, they should be planted with the crowns 8 inches beneath the surface of the soil.

LARGE-FLOWERING

Henryi. Creamy white; large.
Jackmani. The popular rich purple variety.
Mme. Edouard Andre. Bright carmine.

All above Clematis, 75 cts. each; $7.50 per doz.

SMALL-FLOWERING

Paniculata (Japanese Virgin's Bower). One of the finest climbers. Clouds of small fragrant white flowers in August. Extra-strong plants, 50 cts. each; $5 per doz.; $35 per 100.

Celastrus · Bittersweet

Scandens. A native vine, of rapid growth, with large leaves and yellow flowers. The bright orange-colored pods split crosswise, disclosing scarlet seeds, and together these form a bright spot all through the winter. 50 cts. each; $5 per doz.



Clematis paniculata

Euonymus

Kewensis. A new variety, with very small dark green foliage, especially valuable as a rock-plant or ground-cover.
Radicans. Deep green foliage. Useful for covering low foundation walls.
Radicans variegata. A beautiful small-leaved green and white variegated form.
Radicans vegeta. A large-leaved form, splendid for covering high walls.

All Euonymus, 30 cts. each; $3 per doz.; $18 per 100

Honeysuckle

Chinese Evergreen (Woodbine). Yellow and white variegated flowers.
Hall's. White, turning yellow.
Variegated. Foliage mottled yellow and green; flowers white and yellow.

All Honeysuckles, 35 cts. each; $3.50 per doz.

Ivy

English. Invaluable for covering walls and graves. Plants from 4-inch pots, 50 cts. each, $5 per doz., $40 per 100; 5-in. pots, 75 cts. each, $7.50 per doz., $60 per 100.

Lathyrus • Hardy Everlasting Pea

One of the best and most desirable flowering hardy climbing plants, attractive both in flowers and foliage, growing to a height of 8 to 10 feet, and producing clusters of large flowers the entire summer, fine for cutting, lasting well.

Latifolius. Deep rosy red.
Latifolius albus. Pure white.

All Lathyrus, 30 cts. each; $3 per doz.

Polygonum

Auberti. A useful vine for porches, lattice-work, fences, buildings, etc., and perfectly hardy and free from disease or pests. It is quick growing, a small plant making 25 to 30 feet of growth the first summer, and produces clouds of snowy white flowers, in long clusters, which turn rose-color with age. The foliage is clean looking and attractive, and, apart from its wonderful flower effect, will please everyone by its appearance. It will not cling to the wall, but will ramble over anything that will support it. Extra-strong pot-grown plants, $1 each.

Pueraria

Thunbergiana (Kudzu Vine). The most rapid-growing vine in cultivation, attaining, after once being established, a height of 50 feet or more in one season. The foliage is large and furnishes dense shade. It bears small racemes of rosy purple, pea-shaped blossoms toward the close of August. 30 cts. each; $3 per doz.

Wisteria

This flowers in the latitude of Philadelphia during May. A strong, developed vine produces hundreds of flower panicles, while no foliage is visible until after the bloom is faded. They thrive best in the sun, and with an application of cow manure once or twice a season, they respond marvelously by an extra growth and an abundance of flowers.

Chinensis (Chinese Wisteria). Pale blue, somewhat fragrant flowers. Extra-strong plants, $1 each.
Chinensis alba. A beautiful white-flowering form of the above. Extra-strong plants, $1 each.



Wisteria chinensis

Our collection of 2-year-old, pot-grown Roses will give an abundance of bloom this season. See page 78

ORNAMENTAL AND SHADE TREES

THIS STOCK CANNOT BE SHIPPED OUT OF THE JAPANESE BEETLE AREA

Acer

Dasycarpum (Silver Maple). A reliable, easily transplanted, rapid growing tree with deeply cut leaves, silvery beneath. 10 to 12 ft., $4.50 each.
Platanoides (Norway Maple). A broad-headed symmetrical tree with large, deep green leaves. For either lawn or street planting. 6 to 8 ft., $3.50 each; 8 to 10 ft., $4.50 each.

Catalpa

Bungei (Chinese or Umbrella Catalpa). This is the dwarf, round-headed tree frequently seen and used primarily for producing formal effects. The globular head can be kept compact and symmetrical by trimming late in the winter each year. 5 to 6-ft. stem, bushy head, $3 each.



Catalpa Bungei

Cornus • Dogwood

Florida (White-flowering Dogwood). An ornamental, spreading, irregularly shaped tree, producing large white flowers in spring and rich crimson foliage in autumn. 4 to 5 ft., $2.50 each.
Florida rubra (Red-flowering Dogwood). A rare variety, the flowers of which are rich rosy red. The two varieties make a fine contrast. 3 to 4 ft., $6 each.

Cratægus

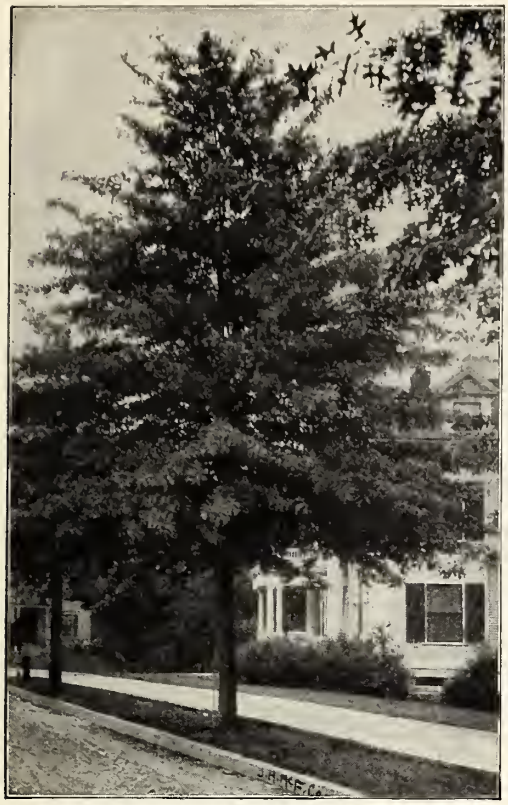
Oxyacantha (English Hawthorn). Single white flowers and pretty foliage. Fine for hedges. 4 to 5 ft., $2 each.
Oxyacantha Pauli (Paul's Scarlet Thorn). The popular variety with flowers shading from deep pink to red. May. 3 to 4 ft., $4.50 each.

Malus • Flowering Crab-Apple

Floribunda (Japanese Flowering Crab-Apple). A delicately colored, profuse-blooming variety with pink buds opening into pinkish blossoms. Yellow fruit add to its interest in autumn. 4 to 5 ft., $2.50 each.
loensis (Bechtel's Double-flowering Crab-Apple). The flowers, which are a beautiful shade of pink, are large, very double, and fragrant. A shapely little tree, well suited for specimen planting on small lawns. Blooms somewhat later than most varieties. 4 to 5 ft., $3.25 each.

Platanus • Oriental Plane

Orientalis. A popular, hardy, rapid-growing shade tree that does well in cities and near the seashore, as well as in more favored situations. 6 to 8 ft., $2.25 each; 8 to 10 ft., $3 each.



Pin Oak

Populus · Poplar

Nigra italica (Lombardy Poplar). A tall, columnar form that is in contrast to the more rounded outline of other trees. Splendid for screen and accent planting. Rapid growing, thrives in any soil, and especially useful for quick effects. 6 to 8 ft., $1 each, $10 per doz.; 8 to 10 ft., $1.75 each, $15 per doz.

Quercus · Oak

Palustris (Pin Oak). An extremely popular Oak for street, park, and lawn planting because of its rapid growth, and the beauty of its glossy leaves so richly colored in the fall. The branches have a downward sweeping tendency. 6 to 8 ft., $3.50 each; 8 to 10 ft., $4.75 each.

Rubra (Red Oak). A large native tree, with deeply cut, bright green leaves. It is the most rapid-growing of all the Oaks. The autumn foliage is unsurpassed for brilliancy. A beautiful tree for lawn and avenue planting. 8 to 10 ft., $4.75 each.

Salix · Willow

Babylonica (Weeping Willow). The well-known Weeping Willow, whose long, pendulous branches droop so gracefully. It is especially effective when planted near water, though it also thrives in dry situations. 6 to 8 ft., $2 each; 8 to 10 ft. $2.50 each.

Caprea (Pussy Willow). A quick-growing, shrub-like tree. The fur-like catkins along the branches in early spring add to its interest. 3 to 4 ft., 75 cts. each; 6 to 8 ft., $2 each.

Tilia · Linden

Americana (American Linden). A rapid-growing native that develops into a large, broad, open-headed tree. Has small yellow flowers in June that fill the air with fragrance. 10 to 12 ft., $5 each.

Ulmus · Elm

Americana (American Elm). The characteristic tree which arches many of the New England streets, though it also grows well in other sections. It is of massive proportions, long-lived, and the spreading branches make it one of the most beautiful trees. 10 to 12 ft., $5 each; 12 to 14 ft., $7.50 each.

Waterer's Ornamental Evergreens

THIS STOCK CANNOT BE SHIPPED OUTSIDE THE JAPANESE BEETLE AREA

The splendid advantages resulting from a judicious planting of evergreens are many, and no grounds are complete without them. They retain their beauty through summer's heat and winter's cold, and we cannot too strongly recommend their use. Everyone admires the cheerful and comfortable appearance of the homes of the thrifty who have improved their grounds with evergreens. There is great diversity in the habit of growth and color of foliage among Evergreens. In colors, there are deepest and lightest greens, tints of gold, and soft steel-greys and blues. The diversity of habit of growth in this class provides truly "a plant for every place and purpose"—some for the limited areas of foundation plantings or for bed and border uses, others for screens, hedges, and windbreaks and for group and specimen plantings.

Abies · Fir

Douglasi (Douglas Fir). Forms a large, majestic tree with large, dark green leaves irregularly arranged around the slightly pendulous growths. 18 to 24 in., $3.25 each; 2 to 2½ ft., $4 each.

Arborvitæ. See **Thuya.**

Biota

Orientalis (Chinese Arborvitæ). Dense, pyramidal, little tree, with fresh green foliage turning to a rich brown in autumn. 2 to 2½ ft., $2.50 each; 2½ to 3 ft., $3.75 each; 3 to 3½ ft., $4.75 each.

Juniperus

Junipers generally are extremely hardy and vigorous. When once established they will grow in bleak and barren locations, at the seashore, in low, damp grounds, in poor soils, and under other adverse conditions.

Excelsa stricta (Greek Juniper). Extremely distinctive and unusual. Compact in form; fine steel-grey foliage. The form and color of the foliage are excellent for contrast with other evergreens. 12 to 15 in., $2.75 each.

Hibernica (Irish Juniper). Distinct, beautiful; erect, dense, conical. Even the tips of the branches are erect. 18 to 24 in., $2.50 each; 24 to 30 in., $3.50 each.

Pfitzeriana (Pfitzer's Juniper). A very hardy, valuable, spreading variety. Dark green foliage, producing a beautiful, soft effect. 18 to 24 in., $3.50 each; 2 to 3 ft., $5 each.

Sabina tamariscifolia (Spreading Ground Juniper). Low, spreading Juniper, with dense bluish green foliage. For rockeries and foregrounds. 12 to 15 in., $2.25 each; 15 to 18 in., $3 each.

Mulch your Evergreens, Roses, Shrubs, etc., with Peat Moss. It supplies the humus the soil needs. See page 134 for prices.



Irish Juniper

Picea · Spruce

Pungens kosteri (Koster's Blue Spruce). The bluest of Blue Spruces, this the most remarkable and conspicuous of all the conifers for ornamental planting. Being symmetrical and shapely, its ideal purpose is as a specimen when, owing to its magnificent, vivid bluish coloring, it constantly attracts the attention of all lovers of the beautiful. Without question the handsomest of all evergreens, and gives an air of refinement to the lawn. 18 in., $12.50 each; 2 ft., $16.50 each; 2½ ft., $20 each; 3 ft., $25 each.

Pungens (Colorado Spruce). Sharp leaves are bluish to dull green, and rather thicker than usual. Branches horizontal, in regular whorls. 15 to 18 in., $3.25 each; 18 to 24 in., $4 each; 2 to 2½ ft., $5.50 each.



Blue Spruce

Pinus · Pine

The Pines embrace an extremely hardy and dependable type of evergreens. They are also splendidly adapted for tall screens and windbreaks, and will stand exposures of extreme severity.

Densiflora (Japanese Red Pine). Rapid-growing when young. Branchlets are very light-colored. The long, slender needles are bright green. 3 to 3½ ft., $4.50 each.

Montana mughus (Dwarf Mugho Pine). Dwarf, slow, compact, and neat in habit; very hardy. 12 to 15 in., $3.50 each.

Nigra (Austrian Pine). Very handsome, vigorous Pine of regular habit, with stout, spreading branches and long, dark green leaves. 18 to 24 in., $2.75 each; 2 to 2½ ft., $3.50 each.

Strobus (White Pine). One of the best native Pines. The branches are horizontal and in regular whorls, with smooth bark. The long, slender leaves occur in groups of five and gently droop over, producing a pleasing pale green effect. The cones are generally over 6 inches long, and add a wonderfully picturesque touch to the tree. 18 to 24 in., $2.75 each; 24 to 30 in., $3.50 each.



Pyramidal Arborvitæ

Retinospora

The brilliancy and variety in the coloring of the foliage of these plants, as well as their delicacy of texture, make them especially sought after for evergreen groupings and beds, terrace borders, hedges, window-boxes and vases.

Pisifera (Sawara Cypress). Tall, pyramidal shape; broad, flat foliage of deep, glossy green. A beautiful formal specimen when clipped. 2 to 2½ ft., $3.50 each; 2½ to 3 ft., $4.75 each.

Pisifera plumosa (Plume Cypress). The branches are slender and pliable, imparting a feathery appearance. A good hedge plant. Of graceful habit, with delicate, glaucous foliage. 18 to 24 in., $3.50 each.

Pisifera plumosa aurea. Soft, plume-like, golden foliage, particularly bright in spring and contrasting beautifully with darker shades of other evergreens. 18 to 24 in., $3.75 each.

Thuja · Arborvitæ

An ornamental, useful group, including varieties of upright, pyramidal, or conical growth and others low and globular in form. The fronded foliage, in various shades of green or gold, according to variety, blends well in combination with other evergreens. They are readily shearable and are popular in hedge use. The globular types are neat and compact and are valued, in addition to bed plantings, for window-boxes and vases.

Occidentalis (American Arborvitæ). Very useful for hedging and screening, and equally so for ornamentation. Leaves bright green, with a yellowish surface on under side. Branches short and horizontal. 3 ft., $4.50 each; 4 ft., $6.50 each; 6 ft., $10.50 each; 7 ft., $12.50 each.

Occidentalis globosa (Globe Arborvitæ). Light green foliage of a grayish cast. The neat globular outline adapts this Arborvitæ for formal plantings, tub and window-box use, as well as in the foreground of Evergreen groups. 15 to 18 in., $2.75 each.

Occidentalis pyramidalis (Pyramidal Arborvitæ). Similar to the well-known American Arborvitæ, but somewhat more dense and columnar in habit and retains its dark, lustrous green color better through the winter. 2 to 2½ ft., $3.75 each; 2½ to 3 ft., $4.75 each; 3 to 3½ ft., $5.50 each.

Occidentalis wareana (Siberian Arborvitæ). Very slow-growing and thus adapted to limited areas. Hardy, with a neat, compact, broad, pyramidal habit, and dark, rich green foliage. 18 to 24 in., $3 each; 2 to 2½ ft., $4 each.

Orientalis elegantissima (Golden-tipped Arborvitæ). Tips of the young shoots golden yellow during summer and autumn. The most elegant of the golden tinted varieties. 2 to 2½ ft., $3.75 each; 2½ to 3 ft., $5 each.



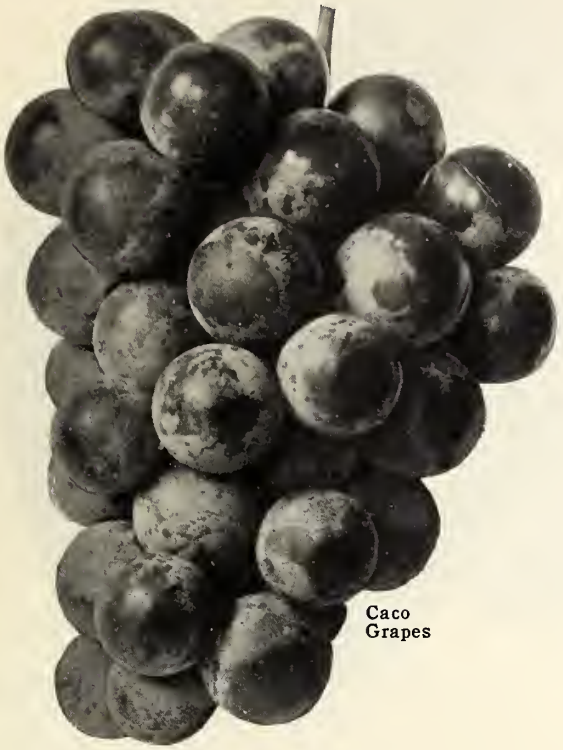
Retinospora plumosa

Tsuga · Hemlock Spruce

Canadensis (Common Hemlock). Leaves about half an inch long, dull green and slightly grooved above, striped beneath. Branches slender and softly pendulous. A handsome and graceful evergreen. 18 to 24 in., $2.75 each; 2 to 2½ ft., $4 each.

EVERGREENS FOR THE SMALL PLACE
By F. F. ROCKWELL
All the information needed to make the best use of evergreens is in this handy book. $1

WATERER'S SELECT SMALL FRUITS



Caco Grapes

Blackberries

All Blackberries, $1 per doz.; $7 per 100

Erie. Early, hardy, and productive. Large, sweet fruit of excellent quality.

Eldorado. Sweet, melting, and rich. A valuable variety, being hardy and very productive.

Mersereau. An enormous producer of extra-size berries which are brilliant black, retain their color under all conditions, and are very sweet and without core.

Ward. Produces an enormous crop of extra-large, glossy black berries which are rich, sweet, tender, with no hard core.

Currants

All Currants, $3.50 per doz.; $20 per 100

Fay's Prolific. Best of all the red Currants. A great bearer, with long stems. Subacid.

Wilder. Strong grower, quite unusually productive, and of extra-good quality. Red.

Grapes

All Grape-Vines, except Caco, 50 cts. each; $5 per doz.

Concord. Ripens in early August. Fruit dark purple, almost black, large, juicy, sweet, and delicious. Because of its extremely high merit, Concord has become the most popular Grape in the country

Moore's Early. Ripens a little before the Concord. Very deep black berries, unusually large, and of extra-fine quality. The bunches are medium size, but are held together firmly. They stand handling and shipping unusually well and have an established reputation on all markets.

Caco. A cross between Catawba and Concord. In appearance it is one of the most beautiful of all hardy Grapes. The large, wine-red berries, with abundant bloom, are carried in large, compact bunches. It ripens in advance of Concord and is a strong, vigorous grower. 75 cts. each.

Niagara. Ripens in late August. Bunches of berries large; color greenish white, changing to pale yellow when fully ripe.

Gooseberries

All Gooseberries, $3.50 per doz.; $20 per 100

Downing. Large, solid, very firm berries. The bush is unusually free from mildew and produces great quantities of light-colored berries of excellent quality.

Houghton. The medium-sized berries are red when ripe, and sweet; very productive. One of the best sorts for general-purpose planting.

Raspberries

All Raspberries, $1 per doz.; $7 per 100

Cumberland (Blackcap). The largest Raspberry known; immensely productive.

Cuthbert. Berries very large, conical, rich crimson. One of the old-time favorites.

King. In this extra-early variety are united earliness, bright color, firmness, and excellent quality of its berries, with vigorous growth, productiveness, and hardiness of cane. Its crimson berries are exceedingly bright in color and firm.

Ranere (St. Regis). Fruit ripens very early and bears extremely heavy crops that sell for fancy prices because of its earliness. All summer, until frost, it gives fair to good pickings, dependent in part on the season. Extremely hardy, vigorous, and free from disease.

Strawberries

For best growth Strawberries require light, fibrous, or sandy loam, well enriched, with plentiful moisture during the bearing season. The layer plants should be set out in April, when possible, about 1 foot apart, in rows 2 feet apart.

Pot-grown plants furnished for planting in August and September

Price of the following Layer Strawberry Plants, $1 for 25; $1.50 for 50; $2 per 100; $15 per 1,000. We can supply most all other popular varieties, though not offered here.

Big Joe. An ideal midseason variety.

Brandywine. Bears great quantities of uniformly large, bright crimson berries that are firm and of good quality. Midseason.

Premier. An early variety, succeeding nearly everywhere and of excellent quality.

Senator Dunlap. Early to midseason. Probably the most productive variety yet introduced.

Sharpless. Fruits late in the season. A good grower, producing handsome berries.

William Belt. An "all-season" variety, fruiting from early to quite late. Very popular.



William Belt Strawberries

Fall or Everbearing Strawberries

Champion Everbearing. Among the best-known and most largely planted. The berries are nearly round, smooth, dark crimson, glossy, and of sweet flavor. It yields heavily in June and is one of the most prolific again in the fall.

Progressive. Of vigorous habit, with large, clean leaves. The plants multiply better than many of the fall-bearing varieties and yield profusely. The berries, which are smooth and uniform in size, are deep crimson, glossy, and of good quality.

All Everbearing varieties, 75c. per doz.; $2.50 per 100; $20 per 1,000

Strong Selected Fruit Trees

THESE CAN BE SHIPPED BY EXPRESS ONLY

Apples

All Apple Trees, 5 to 6 ft. high, $1.75 each; $9 for 6; $15 per doz.

Delicious. Winter. Brilliant dark red, shading to yellow at the blossom end; flesh white and tender; large size.
Grimes. Ripens fairly late. Skin golden yellow; flesh yellow; flavor rich and spicy; slightly acid.
Jonathan. Late fall. Skin is brilliant red. Flesh white, juicy and fine-grained; size medium to large.
McIntosh. Winter. Color bright deep red; flesh white, with slight pinkish tinge; medium to large.
Oldenburg (Duchess of Oldenburg). Early. Yellow streaked with red; flesh white and juicy; medium size.
Rome Beauty. Winter. Yellow overlaid with stripes; quality excellent; late bloomer. Fruit keeps well.
Stayman Winesap. Winter. Dark red skin, tinged with yellow; flesh yellow; medium to large. Succeeds on poor soil. Always dependable.
Wealthy. Fall. Skin almost solid red; flesh white or little stained, juicy and crisp; size medium.
Williams. Very early. Skin a dark, rich red; flesh white, juicy, slightly tart; size large.
Winesap. Winter. Bright red skin; flesh yellow; medium to large. Bears regularly.
Yellow Transparent. Ripens extremely early. Skin clear yellow; flesh white; the flavor, while slightly acid, is excellent; size medium to large. Bears early.
York Imperial. Winter. Greenish yellow, overlaid with red stripes; flesh juicy, slightly coarse; medium size. Keeps well.

Cherries

All Cherry Trees, 5 to 6 ft., $2 each; $9 for 6; $15 per doz.

Black Tartarian. (Sweet.) Large; purplish black; immense bearer.
Early Richmond. (Sour.) Dark red; medium size; splendid flavor.
Governor Wood. (Sweet.) Fruit light red, larger than most varieties, with rich, sweet flavor; hangs well on the tree. Trees are reasonably strong growers and free bearers.
Large Montmorency. (Sour.) Light red; very productive.
Napoleon. Most profitable yellow sweet Cherry. Flesh firm, juicy, and delicious.



Kieffer Pear



Williams Apple

Peaches

All Peach Trees, 5 to 6 ft., $1.25 each; $6 for 6; $10 per doz.

Brackett. Ripens after Elberta. Orange-yellow skin, tinged with carmine; flesh is deep yellow, highly flavored; large to very large. Freestone.
Belle of Georgia. Ripens early in August. Creamy white, red cheek; flesh white with some red near the pit; large. Freestone.
Elberta. Ripens middle of August. Yellow skin, with deep red cheeks; flesh is golden yellow, red at the pit, firm and juicy; runs from large to extra large. Freestone.
Hiley. Ripens last of July. Yellowish white skin with deep red cheek; flesh white and very juicy; large, hardy. Freestone.
Carman. Ripens third week in July. Yellowish white skin, with creamy white flesh, slightly tinged with red; good size. Freestone.

Pears

All Pear Trees, 5 to 6 ft., $2 each; $10.50 for 6; $17.50 per doz.

Bartlett. Early. Yellow, shaded blush; very sweet and juicy.
Kieffer. Winter. Fruit large to very large; skin yellow, with light vermilion cheek; flesh brittle, very juicy. Most popular canning Pear.
Seckel. Small; yellowish brown; very sweet and juicy.

Plums

All Plum Trees, 5 to 6 ft., $2 each; $10.50 for 6; $17.50 per doz.

Abundance. Ripens in mid-July. Skin light amber-color, turning to bright cherry-red. Flesh is light yellow and very juicy.
Burbank. Ripens in late August and early September. Skin nearly red. Flesh deep yellow, sweet, and of a peculiar flavor.

It is impossible to have perfect fruit unless you spray. We offer a complete line of Sprayers on page 126, and Spray Material for every purpose on page 133.

WATER-LILIES



Day-Blooming Tender Nympheas

These are supplied in pot-grown plants after June 1

Grossherzog Ernst Ludwig. A free-flowering variety of a true violet-blue, with a golden yellow center. $2.50 each.

Mrs. C. W. Ward. Deep rosy pink on long stems. $2 each.

Pennsylvania. Flowers of largest size of a rich blue color. Very free and continuous flowering. $2.50 each.

Zanzibariensis. The darkest blue or purple of the genus; very free-flowering. $1.50 each.

Zañzibariensis azurea. Clear azure-blue. $1 each.

Zanzibariensis rosea. Various shades of rose. $1 each.

Night-Blooming Tender Nympheas

Dentata. White blooms 8 to 12 inches across. $1 each.

Dentata magnifica. Large, cup-shaped, creamy white flowers, 10 to 12 inches across. Very desirable. $2.50 each.

Dentata superba. The largest white Water-Lily grown. Flowers of clear glistening white. $3 each.

Devoniensis. This old favorite produces its large pure red flowers in the greatest abundance. $1 each.

Kewensis. Medium-sized light pink flowers. $1.50 each.

Hardy Water-Lilies

Ready April 15 to June 1

Alba candidissima. A very vigorous and desirable variety, requiring ample space. Flowers large, pure white. $1.50 each.

Comanche. The largest and finest of the apricot tints. The flowers have a wonderful combination of orange and glowing amber-red. A strong grower and the earliest and most continuous bloomer in the hardy class. $5 each.

Gloriosa. A superb large flower of a deep carmine-rose, becoming a dark red late in the season. Very free and continuous bloomer. $5 ea.

James Brydon. Rich rosy crimson, reverse of petals having a silvery sheen. $3 each.

Marliacea carnea. A delicate soft flesh-pink deepening toward the base of the petals. $1.50 each.

Marliacea chromatella. Petals and stamens bright yellow, 4 to 6 inches across. A free and continuous bloomer. $2 each.

Marliacea rosea. A splendid companion to the above, which it resembles in all particulars except color; flowers soft rose-pink. $2.50 each.

Odorata gigantea. The native white Lily of the Southeastern States. Flowers pure white, 5 to 7 inches across. A very strong, vigorous grower. 75 cts. each.

Odorata minor. The miniature white Water-Lily. Very dainty and suitable for tubs and small pools. 50 cts. each.

Odorata, W. B. Shaw. This magnificent Lily has large fragrant flowers of a rich, clear, rose-pink. $1.50 each.

Paul Hariot. A large, magnificent light yellow delicately shading to copper-red. Foliage spotted with brownish red. A free bloomer. $4 ea.

Tuberosa. A native white variety of very strong growth, flowers from 4 to 9 inches across, produced in moderate quantity. The various varieties of Tuberosa are suitable for planting in deep water, and should have plenty of room to spread. 50 cts. each.

Tuberosa rosea. Flowers an exquisite shade of pink. A vigorous grower, of the easiest culture. $1 each.

VEGETABLE PLANTS, ROOTS, AND HERBS

For the convenience of those who prefer to use plants, and those who have been too late to start their gardens from seed, we offer the following list of strong, sturdy plants, ready for use at about the date indicated after each kind.

THIS STOCK CANNOT BE SHIPPED OUTSIDE OF THE JAPANESE BEETLE AREA

	Doz.	100	1,000
Artichoke, Green Globe. Ready April 15. Pot-grown plants	$1 50	$10 00	
Asparagus Roots. It requires 100 plants for a single row of 150 feet.			
Argenteuil	30	1 25	$10 00
Barr's Mammoth	30	1 25	10 00
Conover's Colossal	30	1 25	10 00
Palmetto, or Eclipse	30	1 25	10 00
Pedigreed Washington	50	1 75	15 00
Above prices are for 2-year-old roots			

	Each	Doz.	100
Brussels Sprouts, Matchless. Ready in May. Pot-grown plants		$0 75	$5 00
Cabbage, Jersey Wakefield and **Copenhagen.** Ready April 1. From hotbeds			1 00
		$6.50 per 1,000	
Cauliflower, Snowball. Ready April 1. Pot-grown plants		75	5 00
Celery, Giant Pascal, Self-Blanching, White Plume, and **Winter Queen.** Ready July		$6 per 1,000	75
Chives. Ready April 15	$0 15	1 50	10 00
Eggplant, Black Beauty. Ready May 15		$1 00	$7 00
Horse-Radish Roots, Maliner Kren. Ready in March		$10 per 1,000	35 1 50
Lettuce. Ready April 1		$6 per 1,000	75
Mint. Ready April 15.			
Peppermint. Pot-grown plants	$0 20	1 50	10 00
Spearmint. Pot-grown plants	20	1 50	10 00
Parsley. Ready April 1. Pot-grown plants		1 00	7 00
Pepper, Ruby King. Ready May 15. Pot-grown plants		1 00	7 00
Rhubarb Roots, Victoria. Ready April 1		1 50	10 00
Rosemary. Pot-grown plants	25	2 50	
Sage, Holt's Mammoth. Ready April 15	20	2 00	
Sweet Potato, Red and **Yellow Nausemond.** Ready June 1		$6 per 1,000	1 00
Tarragon. Ready April 15. Pot-grown plants		2 50	15 00
Thyme. Ready April 15. Broad-leaved English pot-grown plants		1 00	
Tomato, Earliana, Bonny Best, Ponderosa, and **Stone.** Pot-grown plants		75	5 00

LAWN MOWERS

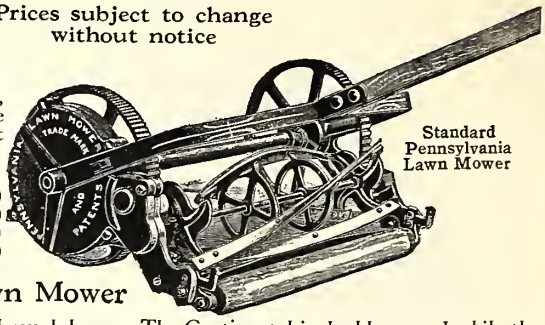
Prices subject to change without notice

Standard Pennsylvania Lawn Mower

A high-grade Mower of excellent quality, having an open cylinder, open wheels, and a train of gears. The cutting blades are of the finest crucible tool steel. The height of cut is adjustable from ⅝ to 1½ inches, and grass 6 inches high can be cut with this Mower.

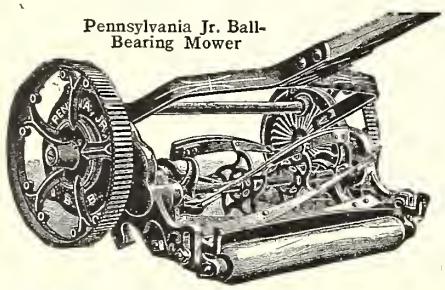
High wheel, 10½-inch diam., 4 blades—

15-inch cut	$27 00
17-inch cut	30 50
19-inch cut	34 50
21-inch cut	38 50



Standard Pennsylvania Lawn Mower

Pennsylvania Jr. Ball-Bearing Mower



The Continental Lawn Mower

The machine for high grass and rough lawns. The Continental is double geared while the Pennsylvania is single geared. High wheel, 9½-inch diameter, 4 blades.

15-inch cut	$27 00	19-inch cut	$34 50
17-inch cut	30 50	21-inch cut	38 50

Pennsylvania Jr. Ball-Bearing Mower

Five blades of crucible tool steel. Lower knife, of raised edge pattern, made of the same steel. It is of such construction as to make it self-sharpening until entirely worn out. Ball-bearing cylinder journals. Bearings are the best, adjustment the finest. Double train of gears, one on each side, insuring smooth work on the uneven lawn.

High wheel, 10-inch diameter.

15-inch cut	$27 00	19-inch cut	$34 50
17-inch cut	30 50	21-inch cut	38 50

Low wheel, 8-inch diameter.

12-inch cut	$17 00	16-inch cut	$23 00
14-inch cut	20 00	18-inch cut	26 00

Pennsylvania Golf Lawn Mower

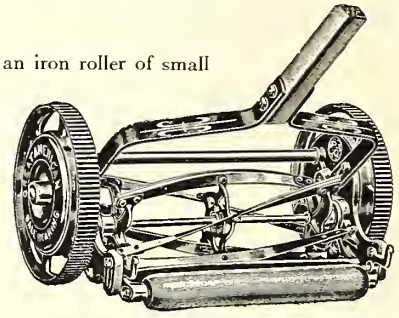
For putting greens and close cutting around golf courses, tennis courts, etc.; equipped with an iron roller of small diameter in place of the usual wooden roller.

High wheel, ball-bearing, 7-blade cylinder.

17-inch cut $34 00 | 19-inch cut $38 00 | 21-inch cut $42 00

Pennsylvania Great American Ball-Bearing Lawn Mower

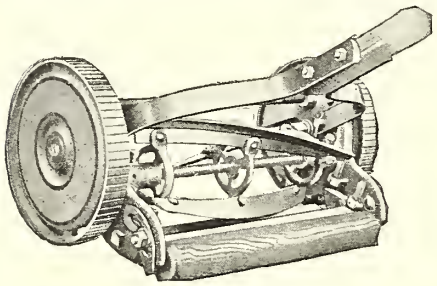
It is a double-gear machine with five knives made of crucible tool steel of the very highest quality, oil-tempered, and water-hardened. Its bottom knife is of the same quality and self-sharpening. The case-hardened tool steel cones and cups in which extra-large balls revolve in conjunction with the very high wheels (10 inches in diameter), make it one of the easiest running Lawn Mowers on the market. The 15-in. size is suitable for use on terraces.


Great American Ball-Bearing Lawn Mower

The Great American, as a machine for the home lawn, is unsurpassed in quality, durability, and the perfection of its working parts. It is a machine of the very highest class in every respect.

10-inch wheels, 5-blade cylinder.

15-inch cut	$19 50	19-inch cut	$25 00
17-inch cut	22 50	21-inch cut	28 00


Crescent Lawn Mower

Crescent Lawn Mower

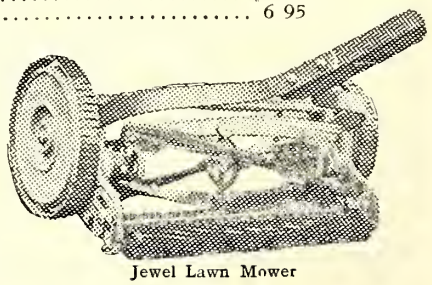
Material, workmanship and finish equal to many high-priced machines. A light, durable Mower guaranteed to give excellent satisfaction and priced to meet the demand for an inexpensive Lawn Mower for small gardens. 3 blades.

12-inch	$6 45
14-inch	6 95

Coldwell Knickerbocker Mower

A high-grade, five-blade, 10-inch wheel, ball-bearing Mower moderately priced. A light-running, well-balanced machine.

16-inch cut $17 00 | 18-inch cut $18 25


Jewel Lawn Mower

Jewel Lawn Mower

The best Mower for the price. Made by the Coldwell Lawn Mower Co., to meet the demands for a fairly good, low-priced Mower, where the size of the lawn does not justify a heavy outlay.

High wheel, 4-blade cylinder.

12-inch cut $9 00 | 14-inch cut $9 50 | 16-inch cut $10 00

Coldwell's Ball-Bearing Trimmer

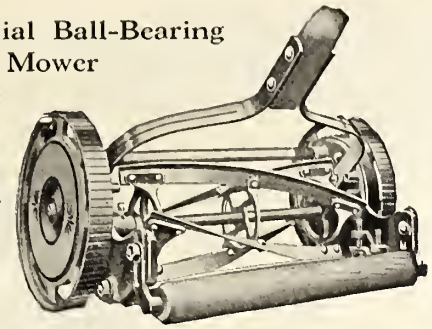


Coldwell's Ball-bearing Trimmer is a very high-class tool for finishing along walks, walls, and flower-beds, where the regular lawn mower cannot be used successfully. It accomplishes this task quickly and neatly and with very little effort. Does away with the back-breaking job of trimming with shears. 8-inch cut, $10.50.

Lawn Boots for Horses

Made of very heavy sole leather, waterproofed and finished black. The sole is reinforced with steel rivets. Small, set of four, $16; Large, set of four, $20.

Waterer's Special Ball-Bearing Lawn Mower

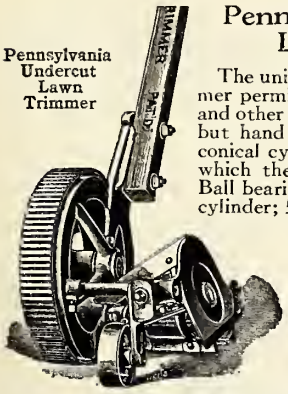


The best all-round Ball-bearing Mower to be had at a moderate price. In designing this Mower, every feature was included that would produce one of the finest Mowers ever built. It is durable, light-running, easy to push, and requires very little attention or adjustments.

It has 9-inch steel wheels, solid style, and the cylinder has 5 crucible steel blades, driven direct by gears in each wheel. The bottom knife is flat crucible steel, self-sharpening.

A well-balanced machine and Waterer quality throughout. One size only, 16-inch, $11.95.

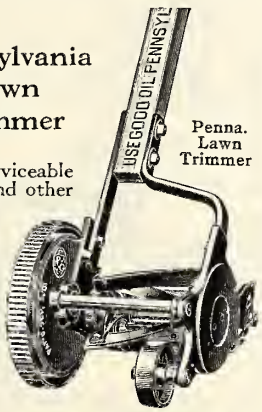
Pennsylvania Undercut Lawn Trimmer



Pennsylvania Undercut Lawn Trimmer

The unique construction of the undercut Trimmer permits cutting close to a wall, fence, tree, and other places hitherto out of reach of anything but hand shears. The slanting side plate and conical cylinder make it possible to cut all grass which the regular lawn mower will not reach. Ball bearing, with 9½-inch drive wheel; 4-blade cylinder; 5½-inch cut, $12.

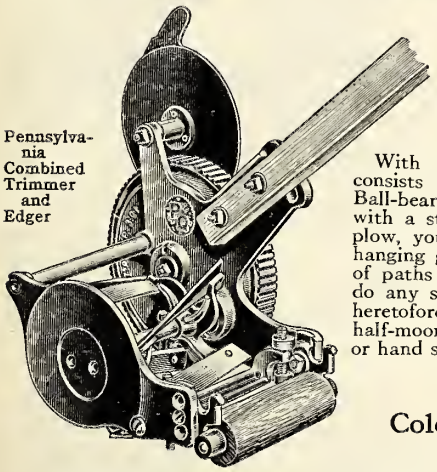
Pennsylvania Lawn Trimmer



Penna. Lawn Trimmer

Made to meet the demand for a serviceable tool to take the place of grass shears and other devices for cutting the grass left at the edge of lawns or borders after mowing. This machine will cut to within ⅜ of an inch of a wall or tree trunk, and mow any grass border wide enough to run one wheel on. The blades are of best crucible steel; it is ball bearing and self sharpening. Equipped with an 8-inch drive wheel and a 4-blade cylinder; 6-inch cut, $10.50.

Pennsylvania Combined Trimmer and Edger



Pennsylvania Combined Trimmer and Edger

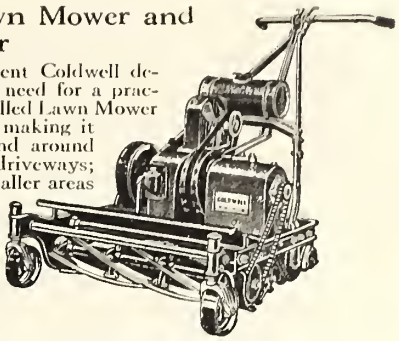
With this machine, which consists of the Pennsylvania Ball-bearing Trimmer, equipped with a steel disc and a small plow, you can trim the overhanging grass along the edges of paths and flower-beds and do any similar work that has heretofore required either a half-moon hoe, a grass-hook, or hand shears. $12.

Coldwell Motor Mowers

Capable of propelling up grades as steep as 25 per cent. These Mowers are sold for net cash f.o.b. Newburgh, N. Y.

Model M.	40-inch cutting area	$1550 00
Model G.	35-ineh cutting area	475 00
Model H.	30-inch cutting area	425 00
Model R.	25-inch cutting area	260 00

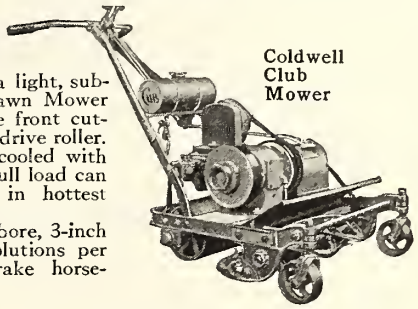
L Twin Motor Lawn Mower and Roller



This machine is a more recent Coldwell development designed to fill the need for a practical motor-driven, hand-controlled Lawn Mower with plenty of reserve power, making it possible to cut close up to and around trees, shrubbery, walks, and driveways; to operate efficiently on the smaller areas and at the same time to cut from 4 to 6 acres per day on the larger areas of lawn. In this model is combined the extreme flexibility of the hand Mower with the large cutting capacity, rolling feature and other advantages and conveniences which can be obtained only with a motor Mower. Powerful, 2-cylinder, water-cooled motor; automatic lubrication. 25-inch cut, $335, f.o.b. Newburgh, N. Y. **"Twin 30,"** $385, f.o.b. Newburgh, N. Y.

The New Gang Units. Extreme cutting width, 60 inches. The new detachable Gang Units for use with Model "L" Motor Lawn Mower and Roller increase the cutting width from 25 to 60 inches. $60.

Coldwell Club



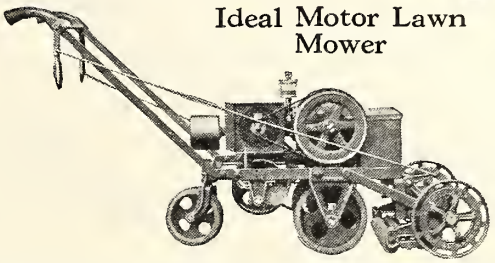
Coldwell Club Mower

The Coldwell Club is a light, substantially built, power Lawn Mower with a 21-inch detachable front cutting unit and a full-width drive roller.

The cylinder is water cooled with fan and radiator so that full load can be carried continuously in hottest weather.

The engine is 2⅛-inch bore, 3-inch stroke and at 1,200 revolutions per minute develops 1½ brake horsepower. $200.

Ideal Motor Lawn Mower



A very successful power Mower. Will mow from 4 to 5 acres of grass per day, at a cost of 50 cents for fuel and oil. Prices f. o. b. Philadelphia. 25-in. cut $290 (without riding attachment); 30-in. cut $385 (without riding attachment). Riding attachment, for 30-inch machine only, $20 extra.

Pennsylvania Horse Lawn Mower

The Standard machine is adapted to hilly, rolling lawns, while the Grand style, being heavier in construction and weight, is the ideal machine for level lawns and grounds; it serves as a lawn roller as well as a mower.

Standard or Regular Style

4-blade cylinder.

25-inch cut Pony, with wooden rear roller	$72 50
30-inch cut, with draft irons and handles	130 00
30-inch cut, with seat and shafts	150 00

Grand Horse Mower

30-inch cut, with draft irons and handles	130 00
30-inch cut, with seat and shafts	155 00
38-inch cut, with draft irons and handles	180 00
38-inch cut, with seat and shafts	210 00

Grass Catcher (Braun's)

Made to fit the Pennsylvania, Continental, and Great American Mowers.

12-inch $3 00	16-inch $3 50	19-inch $4 00
14-inch 3 25	17-inch 3 75	21-inch 4 25
15-inch 3 50	18-inch 3 75	

Non-Skid

This Catcher will fit any lawn mower having a cut of from 12 to 21 inches. The bottom is made of heavy galvanized sheet iron and the sides are made of heavy white canvas.

12 to 16-inch width mower	$1 65
18 to 21-inch width mower	1 85

Planet Jr. Farm and Garden Tools

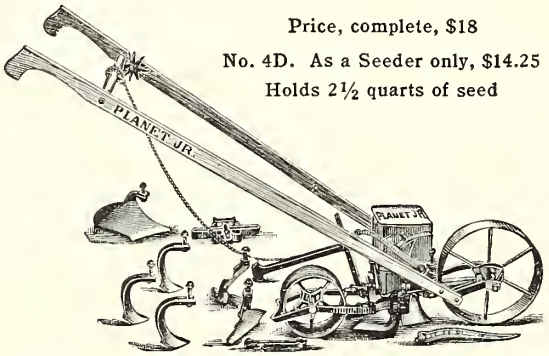
These are the greatest time-, labor-, and money-savers ever invented for the farm and garden. They pay for themselves in a single season in bigger, better crops, and last a lifetime. Fully guaranteed. Ask for special Planet Jr. catalogue.

No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator, and Plow

Price, complete, $18

No. 4D. As a Seeder only, $14.25

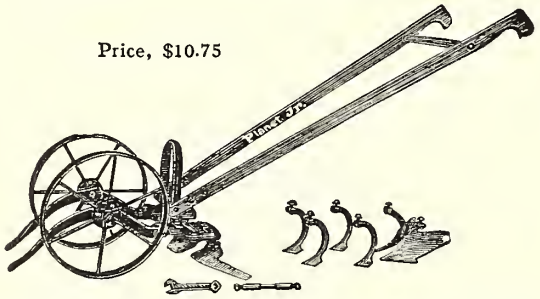
Holds 2½ quarts of seed



This tool combines in a single convenient implement a first-class Hill and Drill Seeder, having the same sowing device as the No. 3 Seeder, with a Wheel Hoe, Cultivator and Plow. Popular with gardeners.

No. 12 Combined Double and Single Wheel Hoe, Cultivator and Plow

Price, $10.75

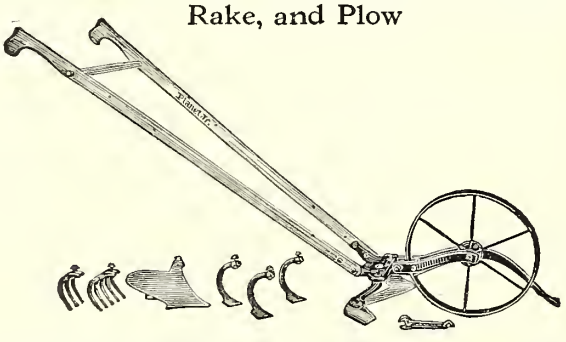


A Double and Single Wheel Hoe in one. 14-inch steel wheels. Straddles crops till 20 inches high, then can be worked between rows with one or two wheels. The greatest hand-cultivating tool made.

Fire-Fly Garden Plow

Useful to owners of small gardens and to chicken-raisers for plowing up scratching-yards. $4.25.

No. 16 Planet Jr. Single Wheel Hoe, Cultivator, Rake, and Plow

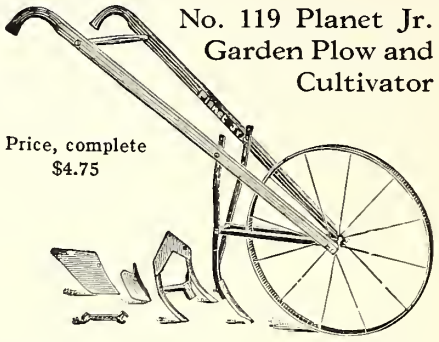


Designed to do all work required in the small garden. Plowing, cultivating, hoeing, and raking. It is very light, and can therefore be easily carried about. $9.

NO. 17. SINGLE WHEEL HOE. Identical with No. 16, excepting that the two rakes and leaf-guard are not supplied. $8.

No. 119 Planet Jr. Garden Plow and Cultivator

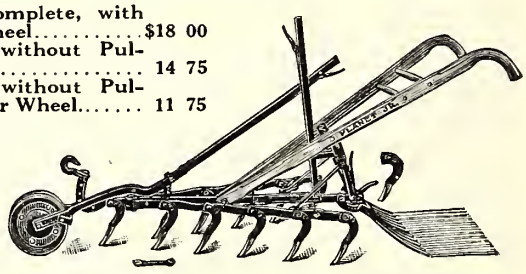
Price, complete $4.75



This new member of the "Planet Jr." family will appeal to all those who prefer a high-wheel tool for their garden work. The equipment is so complete that it will meet all the needs of the ordinary garden, where the adjustments and refinements of the higher-priced Wheel Hoes are not required.

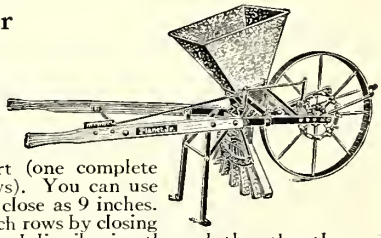
Planet Jr. Twelve-Tooth Harrow, Cultivator and Pulverizer

No. 90 Complete, with Steel Wheel.....$18 00
No. 90B without Pulverizer..... 14 75
No. 90D without Pulverizer or Wheel..... 11 75



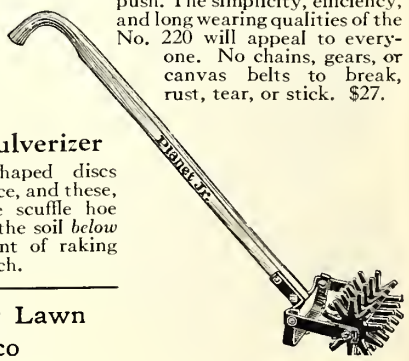
With the Twelve-Tooth Harrow you go as deep or shallow as you like, come up close to row without injuring plants, cut out all the weeds, stir the soil and mellow and fine it as with a garden rake. You widen and narrow as you please between 12 and 32 inches.

Planet Jr. Fertilizer Distributor



The No. 220 will distribute fertilizer in the middles of three rows 12 to 14 inches apart; it will side-dress one side each of two rows up to 36 inches apart (one complete row; and corn in wider rows). You can use it in very narrow rows—as close as 9 inches. You can use it in 42 to 48-inch rows by closing off the flow in three spouts and distributing through the other three—either on the right- or left-hand side. The hopper capacity is one bushel and the weight of the load is placed over the wheel, making it easy to push. The simplicity, efficiency, and long wearing qualities of the No. 220 will appeal to everyone. No chains, gears, or canvas belts to break, rust, tear, or stick. $27.

Planet Jr. Star Pulverizer



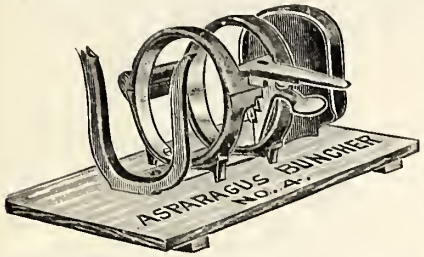
The revolving star-shaped discs have a large cutting surface, and these, in conjunction with the scuffle hoe blade, cut and pulverize the soil *below* the surface as no amount of raking could possibly do. $3 each.

Top-dress Your Lawn With Sacco

High-Grade Tools and Supplies for Garden and Greenhouse

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Aprons, Rubber. To protect the clothing when watering or doing any garden or greenhouse work. Extra-heavy quality. $2.



Asparagus Buncher. Saves time, and bunches are always uniform. $4.75 each.



Asparagus Knife

Asparagus Knives. Fine quality steel. Square blade, 50 cts. each; V-shaped, long handle, 55 cts. each.

Asparagus Tape. 1,000-yd. spools. Fast colors; green and red. $4.50 each.

Axes. Medium weight. Best quality handle. $2.75 each.

Baskets, Split or **Chip,** with handles. ¼-bus. $1.60 per doz.; ½-bus. $1.75 per doz.; ¾-bus. $2.75 per doz.; 1-bus. $3.25 per doz.

Rubbish. Strong, well-made, with rope handles. 3-bus. $4.50 each.

Vegetable and **Berry.** Made light for gathering fruits, vegetables and flowers. 23-in. long, 12-in. wide, 4-in. deep, $1.10 each.

Bean Poles, Cedar. About 10 feet long. $2.25 per doz.; $4 for 25; $7.75 for 50; $15 per 100.

Beetle Catcher No. 1. Designed with standard thread on bottom to fit any Mason jar—the beetles passing in through the trap into the jar. Made of heavy tin enameled green and white. Bait is protected from the weather by the container. A few of these traps judiciously placed will save many times their cost in a few days. **Price, without Mason jar, 75 cts. each.**



No. 2. Both traps are equally efficient, but size No. 2 is larger (capacity of 4½ quarts of beetles) and is self-contained. Sturdily constructed of rust-resistant galvanized steel enameled green and white—will last for years. $1.50 each.



Beetle Bait. ¼-pt. can, sufficient for size No. 1, 35 cts.; ½-pt. can, sufficient for Size No. 2, 60c.; 1-lb. cans at $1.35, and 5-lb. cans at $5.50 for those who use a number of traps.

Red Arrow Will Kill Japanese Beetles

Bellows, Powder. See page 127.

Bird-House, Cedar. Durable houses of swamp cedar, just the right sizes to attract different species of birds. 85 cts. to $2.75.

Boxes, Cardboard, Flower.

Size, inches	Doz.	100
16 x 4 x 3	$0 80	$4 80
18 x 7½ x 3½	1 15	7 20
21 x 8 x 4	1 40	8 70
24 x 5 x 3½	1 10	7 05
24 x 8 x 4	1 55	9 45
23 x 12 x 5	3 00	
28 x 8 x 5	2 40	
30 x 9 x 4	2 50	
30 x 9 x 6	3 10	
36 x 6 x 5	2 80	
36 x 8 x 5	3 00	
36 x 12 x 6	4 30	

Corrugated Paper, Flower.

	Each	Doz.
48 x 14 x 8	$0 65	$6 50
42 x 14 x 8	60	6 00
36 x 14 x 6	55	5 50
30 x 12 x 6	45	4 50
24 x 8 x 5	40	4 00

Brooms, Stable or **Road.** Rattan or cocoa, $1.50 each.

Upright. Corn, $1 each; corn and rattan, $1.20 each.

Carnation Supports. See page 125.

Carnation Bands, Rubber. Oz. 30 cts.; ¼ lb. $1.

Dibbles. Just the tool for transplanting your small plants.

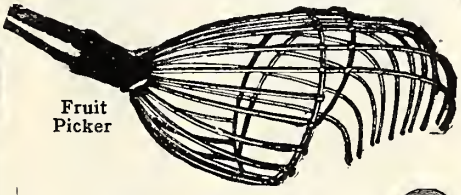
Brass Point. Wood handle; does not rust. $1 each.



Dibble

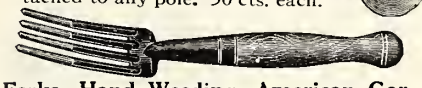
All Iron. Made hollow and light. 75c. ea.

Fumigating Lamp. Used for vaporizing of nicotine preparations. All metal. Practical and indestructible. Burns kerosene. 85c.

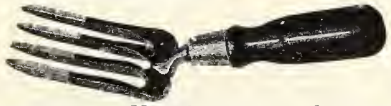


Fruit Picker

Fruit Pickers. Made of steel wire, heavily galvanized. Can be attached to any pole. 50 cts. each.



Forks, Hand Weeding, American Garden. 4-prong; fine quality steel; 12-in. handle. 65 cts. each.

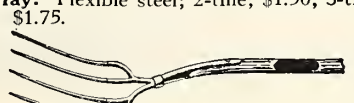


Forks, Short Handle. 4-prong; finest malleable steel. 75 cts. each.

Forks, Eureka. Has three steel prongs. Fine for transplanting or loosening the soil, etc. 50c. ea.



Hay. Flexible steel; 2-tine; $1.50; 3-tine, $1.75.



Manure. 4-tine; D-handle, $2.25; long handle, $1.75.



Spading Fork

Forks, Spading. Best grade; tines spear-pointed; handle strapped both sides. Of superior quality and very strongly made. 4-tine, D-handle, $2.25; 5-tine, D-handle, $2.75.

Garden Lines. Best quality white cotton solid braided, 96 ft., $1.50; 144 ft., $2.25; 192 ft., $3; 240 ft., $3.75.



Line Reel

Garden-Line Reels. Small size, $1.75; large size, $3.25; double, $4.50.



Carden Tool Sets. For women and children; light-weight, serviceable, well-finished tools. Set consists of 1 Spade, 1 Hoe, and 1 Rake. $2 per set.

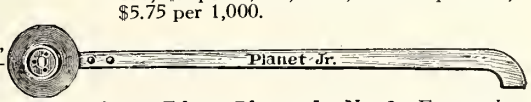
Glass Cutters. Steel wheel, 25 cts. Six wheels, 65 cts.

Glazing Points, Peerless. Made in three sizes: No. 1, for small single thickness glass; No. 2, for medium double thickness glass; No. 2½, for large double thickness glass. 65 cts. per 1,000, postpaid, 75 cts.

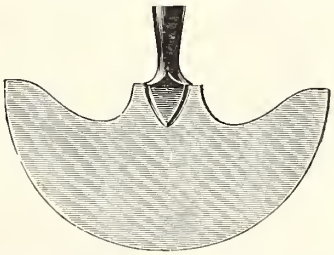
Siebert. Zinc. Made with a prominent head; cannot rust; easily driven. ⅝, ¾, and ⅞-in. long, 50 cts. per lb.

Gloves. Heavy, to protect against briars, etc. Buckskin or horsehide, $2 per pair.

Grape Bags. Protect grapes against insects and birds. Bags should be applied when grapes are the size of a pea, prior to which fruit should be sprayed. 2-lb., 60 cts. per 100, $5 per 1,000; 3-lb., 70 cts. per 100, $5.75 per 1,000.



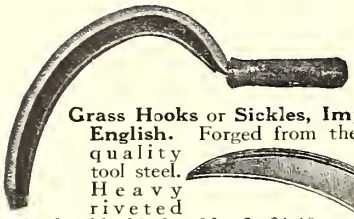
Grass Edger, Planet Jr. No. 2. Extremely simple to operate; made of high-grade steel. Does the work more rapidly and easily than the regular edging knife. The dise is made of high-grade steel and will last for years. $1.80 each.



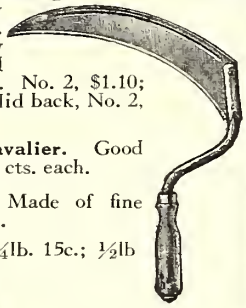
Grass Edging Knife, English. Made of the very best steel. 8-in., $2.25; 9-in., $2.50.

American. Equipped with handle. 9-in., $1.40. Handles for English Knives, 25 cts. each.

SACCO—the Perfect Plant Food for Lawn and Garden



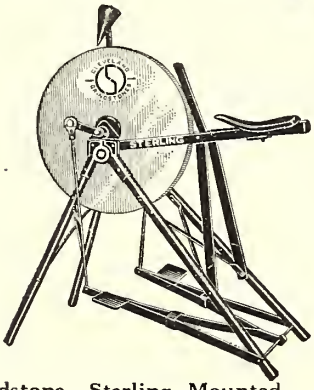
Grass Hooks or Sickles, Imported English. Forged from the finest quality tool steed. Heavy riveted back; thin blade. No. 2, $1.10; No. 3, $1.15. Solid back, No. 2, $1.



Grass Hooks, Cavalier. Good quality steel. 75 cts. each.

Grafting Tool. Made of fine quality steel. $1.

Grafting Wax. ¼lb. 15c.; ½lb 25c.; lb. 45c.



Grindstone, Sterling Mounted. Substantially made; heavy steel frame with seat and double treadles; fitted with improved ball bearings, of the very best quality, encased so they will keep clean. Stone, 19 to 22 inches diameter, 1¾ to 2¼ inches thick. Weight 100 lbs. Shipped knocked down crated. $11.50 each.

Hanging-Baskets, Wire. Painted green. Can be suspended anywhere, indoors or out. 8-in., 30 cts.; 10-in., 45 cts.; 12-in., 65 cts.; 14-in., 75 cts.; 16-in., 90 cts.

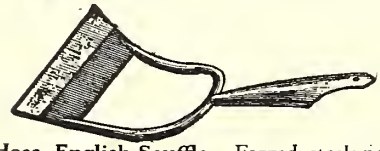
Hammers, Steel Claw. $1.10 each.

Hatchets. Finest quality steel. $1.75 each.

Hedge-Trimmers. See pages 124,125.



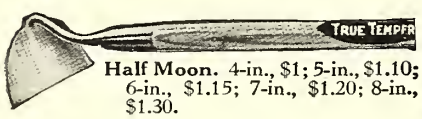
Hoe and Rake, Combined. A very handy garden tool; best quality steel. 4-prong, $1.10; 6-prong, $1.20.



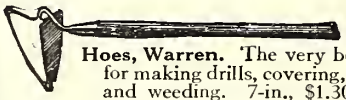
Hoes, English Scuffle. Forged steel; positively the best. The quality of material used and finish is superior to all others. 5-in. $1; 6-in., $1.10; 7-in., $1.25; 9-in., $1.50. Handles, 25 cts. extra.



Square. 6-in., $1.15; 7-in. $1.20; 8-in., $1.25.

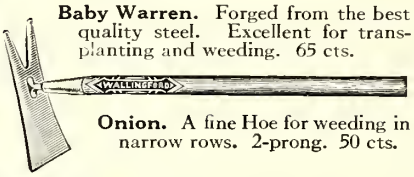


Half Moon. 4-in., $1; 5-in., $1.10; 6-in., $1.15; 7-in., $1.20; 8-in., $1.30.



Hoes, Warren. The very best Hoe for making drills, covering, hoeing, and weeding. 7-in., $1.30; 8-in., $1.45.

Baby Warren. Forged from the best quality steel. Excellent for transplanting and weeding. 65 cts.



Onion. A fine Hoe for weeding in narrow rows. 2-prong. 50 cts.

Hose, Rubber, Electric. Three-ply, non-kinkable, moulded Hose. The strength and durability of this Hose places it as the most popular on the market. ¾-in., 24 cts. per ft.



Flexo. A good-quality Hose, moderately priced; very serviceable. ¾-in., 22 cts. per ft.; ½-in., 20 cts. per ft.

Tryme. Surpasses all other grades of Hose at this price. ¾-in., 18 cts. per ft.

Spray. ⅜-in., 15 cts. per ft.

Spray, High-pressure. ⅜-in., 22 cts. per ft.; ½-in., 24 cts. per ft.

No charge for couplings on length 25 ft. or longer; shorter than 25 ft., 30 cts. per set.

Hose Bands, Wire. 35 cts. per doz.

Hose Clamps, Galvanized. ½ and ¾-in., 5 cts. each; 45 cts. per doz.



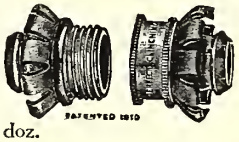
Hose Clamp

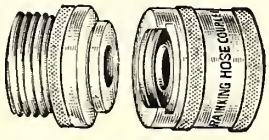


Hose Coupling

Hose Couplings, Standard Brass. ½ and ¾-in., 30 cts. each.

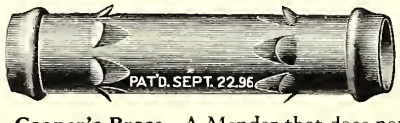
Perfect Clinching. Clamps and swivel fit snugly together. Brass tube and galvanized steel clamp. 30 cts. per pair; $3.25 per doz.





Rain King Coupling. Snaps together instantly; fits nozzles, sprinklers, and hose connections. 60 cts. each.

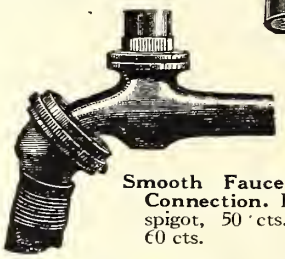
Hose Menders, Perfect. 15 cts. each; $1.50 per doz.



Cooper's Brass. A Mender that does not reduce the size of your hose. ½ and ¾-in., 10 cts. each; $1 per doz.

Hose, Siamese Connection. This brass Hose attachment is an excellent arrangement for operating two or more lawn sprinklers at one time. 65c. each.





Smooth Faucet Hose Connection. For small spigot, 50 cts.; large, 60 cts.

Hose-Nozzle, Boston. Coarse or fine; made of copper. $1.35 each.



Gem. A very popular adjustable Nozzle. Can be regulated to give three different streams. 90 cts. each.



Rain King. Adjustable from a solid stream to the finest mist spray. $1.50 ea.

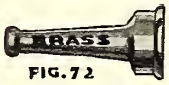
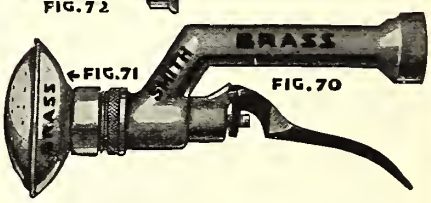


FIG. 72



Aquamatic. A high-grade water-control, opening and closing automatically, by slightly pressing lever with the fingers. Wastes no water. A positive, quick shut-off with nothing to wear out and no leaks or drips. Made of heavy cast brass, carefully machined, and will last for years. $2.25 each.



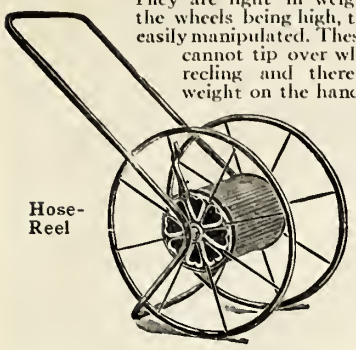
Hothouse. This is a heavy cast brass Nozzle with heavy sheet brass perforated plate. Throws large fine spray. Unsurpassed for hothouse sprinkling, watering lawns, vegetables and flower gardens, shrubbery, etc. 4-in. face, $1 each.

Hose Washers. 5c. per doz.; 50c. per lb.

Hose Nozzle Holders. Made of heavy galvanized wire. 20 cts. each.

Our 2-year-old Roses will give an abundance of bloom this season

Hose-Reels. Constructed entirely of iron. They are light in weight and the wheels being high, they are easily manipulated. These Reels cannot tip over when unreeling and there is no weight on the handle.



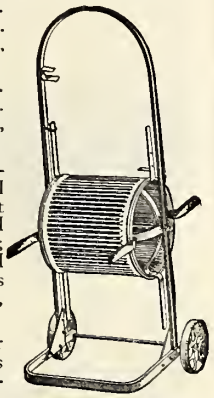
Hose-Reel

Style B, No. 10. Capacity 100 ft. ¾-in. rubber hose, $6.

Style B, No. 20. Capacity 150 ft. ¾-in. rubber hose, $6.50.

Style B, No. 30. Capacity 400 ft. ¾-in. rubber hose, $9.

Victor. Constructed with channel steel frame, cast iron wheels, solid steel reel arms; heavy corrugated steel drum. Holds 100 ft. ¾-in. hose, $3.50 each.



Victor Hose-Reel

Hotbed Mats. For protecting hotbeds and coldframes. 1-sash, 40 x 76 in., $2.75; 2-sash, 76 x 76 in., $5.

Straw Mats. 1-sash, $2; 2-sash, $3.50.

Straw Mats. Made to order any length up to 6 ft. in width, 20 cts. per square foot.

Hotbed Sash. Made of selected cypress. 3 ft. 1½ in. wide, 6 ft. long.

Plain, not glazed or painted. $4.25 each.

Glazed, painted, puttied glass. $8 each.

Packing charges on glazed sash, 50 cts. each.



Germăco

Hotkaps

New Method of Plant Protection

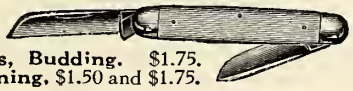
These are patented wax-paper cones that *completely* cover each plant—the *only way* to fully protect them from frost. They are an "individual hothouse for each plant," protecting them not only from frost, but from wind, rain, ground-crusting, and insects as well. $1.75 per 100; $4 for 250; $11.50 per 1,000.

The 100 and 250 lots include a papier-mache Setter.

Hotkap Setters. For setting Hotkaps accurately and quickly, made of steel, $2.50 each.

Garden Setters. Made of papier-mache. 50 cts. each.

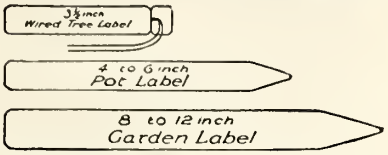
Husking Pins, Universal. All wrought steel. No leather. Adjustable to hand. 20 cts. each.



Knives, Budding. $1.75.
Pruning, $1.50 and $1.75.



Kneeling Pad. Will protect the clothing while doing any kneeling in damp places. Made of sponge rubber. $1.25 each.



Painted Pot Labels.

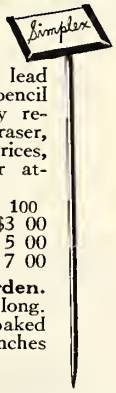
Sizes	100	By P.P. per 100	1,000
4-inch	$0 35	$0 40	$2 25
4½-inch	40	45	2 75
5-inch	45	50	3 00
6-inch	55	60	3 50
8-inch	1 60	1 70	9 00
10-inch	1 75	1 90	11 00
12-inch	2 25	2 50	14 00

Tree Labels, Copper-wired, Painted. 50 cts. per 100, $3.25 per 1,000.

Labels, Indestructible Metal. Copper or Zinc. Will last for years. ¾ x 3½ inches, wired. Quickly attached to plants. Marking is done with a stylus furnished with each hundred. 30 cts. per doz.; $1.75 per 100.



Simplex Weatherproof. Writing is protected by a transparent cover and will last for years if done with lead pencil. However, the pencil markings may be instantly removed with an ordinary eraser, and the label used again. Prices, including copper wires for attaching:



Sizes	Doz.	100
No. 1. 3 x ½-inch	$0 50	$3 00
No. 2. 4 x ¾-inch	85	5 00
No. 3. 5 x 1-inch	1 10	7 00

Simplex Weatherproof, Garden. The stake is iron, 2 feet long. Finished in dark green, baked enamel. Card. 2¾ x 1½ inches 25 cts. each.

Label Pencils. Special black, 15 cts. each; $1.50 per doz.

Ladders, Compound Extension. Equipped with the necessary rope and pulleys.

	Per ft.		Per ft.
20 feet	$0 70	30 feet	$0 70
22 feet	70	32 feet	70
24 feet	70	36 feet	80
28 feet	70	40 feet	80

Single Plank.

10 feet	$5 50	16 feet	$8 80
12 feet	6 60	18 feet	9 90
14 feet	7 70	20 feet	13 00

Lawn Signs

Excellent for putting on grass plots where thoroughfare is not desired. Iron, painted gray, trimmed red, $1 each.

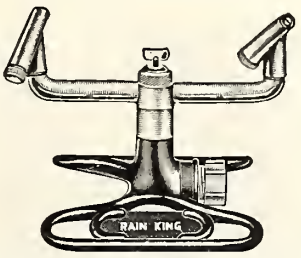


Pennsylvania Lawn-Cleaner

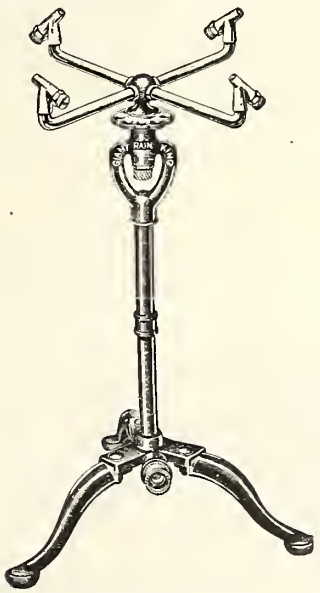
This hand machine will remove from the lawn not only the cut grass, but all sorts of leaves and litter, leaving the grass standing upright. It is easy to operate, and, with it, one man will do more and better work than four men with hand rakes. 24-inch rake, $30; 36-inch rake, $42.50.

Sweeping Brushes for the above, set of three, 24-inch, $7; 36-inch, $9 when purchased separately.

Lawn Sprinklers

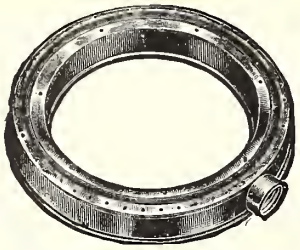


Rain King. The finest adjustable Lawn Sprinkler on the market. Will water a large or small area (8 to 80 feet in diameter), fine or coarse spray, revolving or stationary. Heavy, durable bearings; will last for years. $3.50 each.

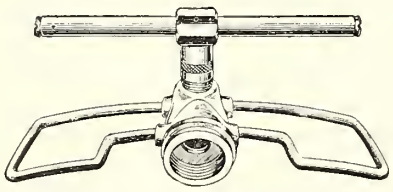


Giant Rain King. Can be set for revolving or stationary sprinkling, and will water a circle from 90 feet in diameter down as required. 4 feet high. Four 20-inch sprinkling arms. $12.50 each.

ALUMINUM SULPHATE FOR RHODODENDRONS. See page 131



Ring. Made entirely of brass. 90 cts. each.



Rainbow. The ideal revolving Sprinkler for a low water pressure. Will water a circle 40 to 50 feet in diameter. $2.50 each.

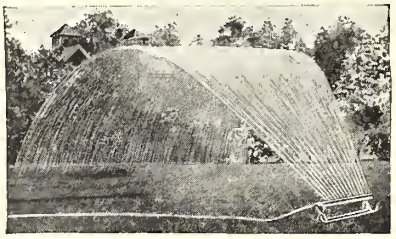


The Rain Wave. The Sprinkler consists of a water motor which rocks back and forth, carrying with it a curved arm in which are set sixteen special nozzles. These nozzles distribute the water evenly over a space from 50 to 60 feet wide and the waving motion of the motor swings it back and forth over a length of from 50 to 60 feet. So, you can depend upon from 2,500 to 3,600 square feet being covered at one setting.

The Sprinkler can be adjusted so that only one-half or one-fourth of its full area need be used at once. Oscillation can also be completely stopped and the streams directed to any desired point. This is especially valuable for border watering. $35 each.



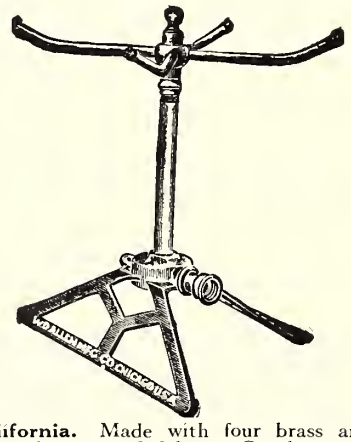
The Peacock Sprinkler. Sprinklers are made of ¾-inch galvanized pipe, painted green, and are mounted on two-wheel trucks at one end and a swivel caster at the other. Seven clusters of eight nozzles each arranged in a pipe 12½ feet long. Covers a strip 15 by 50 feet. $15 each.



Water Fan. An automatic oscillating Sprinkler actuated by a small water motor. All the gears of the motor are enclosed, which protects them and provides for oil lubrication.

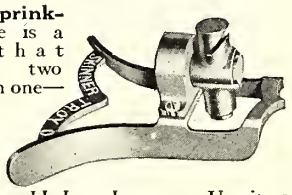
No. 6. Discharges 3½ gals. of water per minute through 11 outlet tubes. $15 ea.

No. 8. Discharges 5 gals. of water per minute through 15 outlet tubes. $16.50 ea.



California. Made with four brass arms attached to a sled base. Can be readily drawn about the lawn, and will not upset. $2.50 each.

Tu-Way Sprinkler. Here is a Sprinkler that combines two sprinklers in one—exactly the sprinkler that is needed for the small lawn or for odd-shaped spaces. Use it as a circular sprinkler and you can cover a circle 30 feet in diameter. And every portion of this circle will be watered uniformly. Then, by giving the nozzle a half turn, you have a Sprinkler that waters only half a circle—just what you have always wanted for watering the space between the sidewalk and the house, or any other narrow strip of lawn or border. $1.25 each.

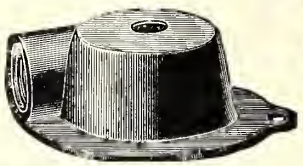




Skinner System of Underground Irrigation. Heads spaced 18 feet apart in full, half, and quarter circles. Prices quoted any length upon request. Heads, $2.50 each.



Skinner System of Overhead Irrigation. Galvanized pipe with one nozzle every 3 feet, turn motor, and all fittings. 50-ft. $40.75; 100-ft. $50.75. Comes ready to install. Steel posts, any length, 10 cts. per foot.



C. B. G. Nothing to get out of order. Will last a lifetime. It is easily drawn about the lawn without shutting off the water. 50 cts. each.



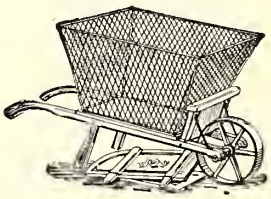
Water Witch An effective device for sprinkling lawns, gardens, or flower-beds. The water flows with unimpeded force, and is divided and deflected by the two lips of the swivel piece, which it causes to revolve rapidly, scattering the water in fine drops and evenly over a circular area of 25 to 40 feet in diameter. It works more satisfactorily with a very low pressure of water than any Sprinkler we know of. 75 cts. each.

Water Witch

Adjustable~
RAIN DROP SPRINKLER



No puddles—no dry spots, but an even, gentle rain drop that soaks into the ground and keeps the lawn evergreen. $1.75 each.



Leaf-Rack, Keystone. Can be used on any wheelbarrow with removable sides. Made of galvanized wire bolted to a wooden base. Convenient for gathering leaves, cut grass, and rubbish. Capacity 10 bus. $8, not including wheelbarrow.

Mulch your Evergreens and Roses with Peat Moss. *See page 134*



Wood Leaf-Rack and Truck. Excellent for gathering leaves, litter, grass, etc. Rack can be attached to a water-barrel truck.
Leaf-Rack only, no truck. $12 each.
Leaf-Rack and Truck. With 3½-inch tires. $29 each.

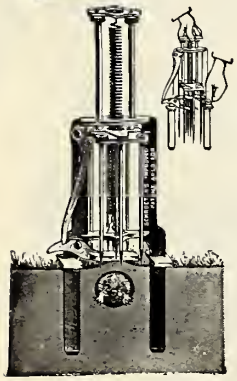


Mastica. For glazing greenhouses. One gallon will cover about 300 running feet. $2.50 per gal.

Mastica Machine. For distributing Mastica, etc. Made of heavy zinc. $3 each.

Mattock, Axe. Fitted with handle. $1.75 each.

Mattock, Half or Grub Hoes. $1.50 each.



Schroeter



Reddick

Mole Traps, Reddick. $1.25 each.
Schroeter. It has a rest on the top for a weight, also eight sharp prongs and a strong spiral spring. $2.50 each.
Nails, Wall. For fastening climbing vines. 1-in., 45 cts. per doz., $2.75 per 100; 1½-in., 60 cts. per doz., $3.75 per 100; 2-in., 75 cts. per doz., $4.50 per 100.
Oil-cans, Bent Spout. No. 14. Capacity ⅓pt.; 9-in. spout, 35 cts. each. **No. 14B.** Capacity ½pt.; 9-in. spout, 50 cts. each. **No. 16.** Capacity 1 pt.; 9-in. spout, 65 cts. each.
Paper, Celery. Rolls of 500 sq. ft. Price $2 per roll.
Manilla. For wrapping. 24 x 36-in. ½ ream $2.25; ream $4.
Manilla Tissue. ½ ream $1.15; ream $2
White Wax. 24 x 36-in. ½ ream $1.75; ream $3 25.
Green Wax. 24 x 36-in. ½ ream $2; ream $3.50.

CYANOGAS (*A, Dust*)
will rid your lawn of Moles.
See page 133

Mulch Paper

Increases Garden-Crop Yields; Eliminates the Work of Weeding



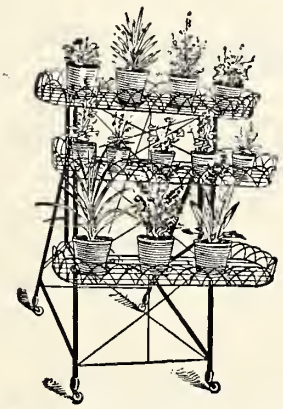
A new but proved method for the growing of garden crops, which eliminates practically all of the labor of weeding and cultivating. Besides checking the growth of weeds, the paper holds the moisture and warms the soil, thus stimulating the crops, causing earlier maturity and increased yields.

Comes in two types, each in 18-inch and 36-inch rolls.

Type A, for Annuals in field culture:
18 in. wide, 300 linear yds. to the roll. $3 50
36 in. wide, 300 linear yds. to the roll. 7 00

Type B, for Perennials in field culture and *all* garden work:
18 in. wide, 150 linear yds. to the roll. 3 50
36 in. wide, 150 linear yds. to the roll. 7 00

Picks. With double point. $1.50 each.



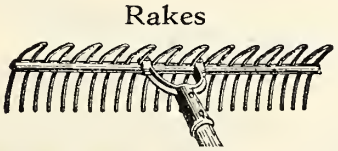
Plant Stands, Collapsible. Substantial, well-made Stands. 2-shelf, $5; 3-shelf, $6.



Pot Brackets, Iron. For one pot, 45 cts.; 2-arms, 60c.; single-arm, two pots, 75c.
Steel. For 5-in. pots, 60 cts.; 6-in. pots, 70 cts.; 7-in. pots, 80 cts.

Raffia. Tough, pliable grass for tying plants. Natural color, 40 cts. per lb.; dyed green, $1 per lb.

Rakes



Reversible Steel. Suitable for lawn and garden. 24-tooth, 80 cts.; 36-tooth, $1.50.
Automatic. A backward motion of the operator clears all the teeth at once. Wood, 26-tooth, $1.50; 38-tooth, $2.

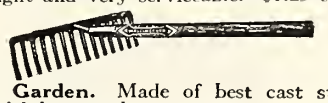
Hoover Lawn Rake



The spring teeth follow the natural contour of the lawn. It is used with the same sweeping motion as a broom or as a rake—cleans self easily by reversing and wiping tines on ground. Fine for clearing off flower beds in spring. Due to its flexible teeth, it will not injure the most delicate plant. $1.50 each.

Hoover Lawn Rake

Steel Brume Rake. Flat, spring-steel teeth, slightly bent at the ends. Light in weight and very serviceable. $1.25 each

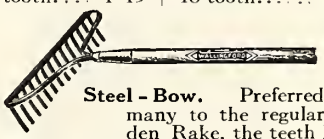


Steel Garden. Made of best cast steel, with long teeth.

8-tooth....$0 90	14-tooth.....$1 05
10-tooth.... 95	16-tooth..... 1 10
12-tooth.... 1 00	

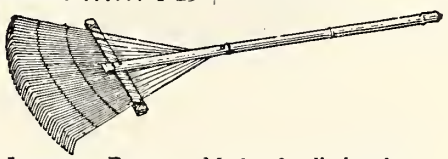
Steel Gravel.

12-tooth....$1 10	16-tooth.....$1 30
14-tooth.... 1 15	18-tooth..... 1 40

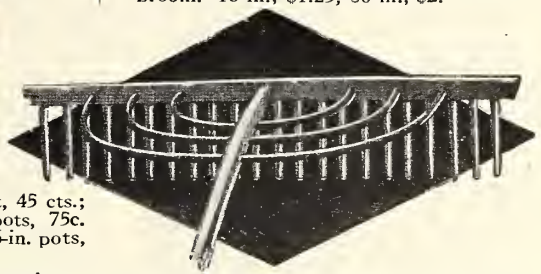


Steel - Bow. Preferred by many to the regular garden Rake, the teeth being slightly bent toward the operator.

12-tooth.....$1 15	16-tooth.....$1 40
14-tooth..... 1 25	



Japanese Broom. Made of split bamboo, rigidly secured with a suitable length handle. The finest lawn Rake on the market. Cleans the refuse from a lawn, leaving it as free as though swept with a broom. 18-in., $1.25; 30-in., $2.



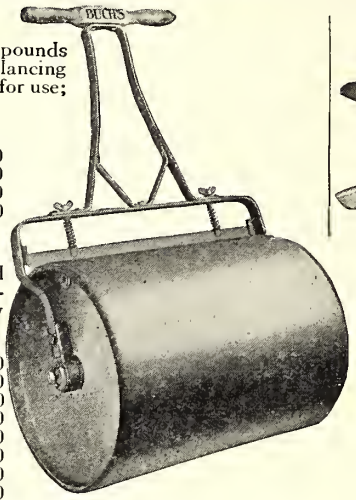
Ames Wooden. 28-tooth, steel bows. $1.50 each.
Ole Olsen Lawn. Made of best hardwood; teeth set close together. 26-tooth, hickory wood. $1 each.

OLD ENGLISH
LAWN KLENSER
Kills Japanese Beetle Grubs
Stimulates Grass *Checks Weeds*
See page 133

Water-Ballast Lawn Rollers

Fill it with water, which will weight it up to any number of pounds desired, as shown below. Equipped with feature for balancing handles, which always keeps the handle in position ready for use; ball axle bearings.

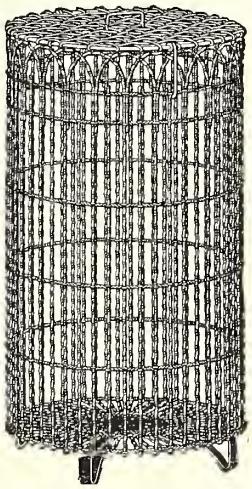
No.	Sections	Diam. in.	Length in.	Weight empty	Wgt. filled with water	Price
601	1	14	21	70	175	$17 00
602	1	18	24	85	265	20 00
603	1	24	24	110	420	23 00
604	1	24	32	130	565	26 00



Hand Lawn Rollers

These Rollers are of neat finish, with beveled edges and a smooth surface; very strong and durable. A Roller weighing from 200 to 350 pounds can be readily handled by one man.

No.	Diam. in.	Length or width in.	No. of sections	Weight lbs.	Price
501	15	15	2	175	$20 00
502	15	22	3	250	24 00
504	20	20	2	250	26 00
507	20	24	2	300	32 00
508	20	30	3	350	38 00
509	24	20	2	400	42 00
511	24	24	3	450	46 00
512	24	30	3	500	52 00

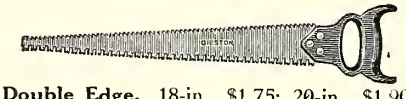


Rubbish Burners for leaves, paper and rubbish. The best receptacle used for burning leaves, papers, and all kinds of rubbish. This handy Burner is a safeguard against many fires that have their origin in the burning of rubbish in the open. The Burner is extra strong, manufactured of galvanized steel wire, reinforced with heavy wire supports. Made to give life-long satisfaction. We supply this Burner in two sizes. No. 1, $6; No. 2, $5.50.

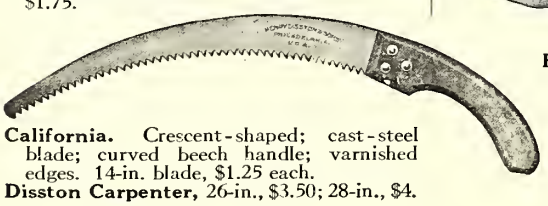
Saws



Pruning. Single edge; best spring-steel. 16-in., $1.60; 18-in., $1.70; 20-in., $1.80.

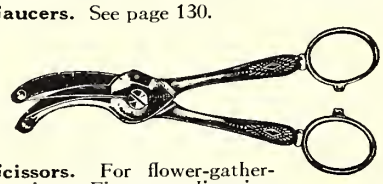


Double Edge. 18-in., $1.75; 20-in., $1.90.
Adjustable Pole. A handy tool; attaches to pole of any length. Handle made of malleable iron with socket. Can be adjusted to different angles. Price, without pole, $1.75.

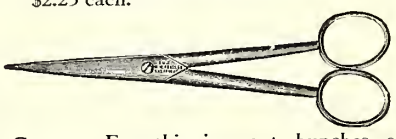


California. Crescent-shaped; cast-steel blade; curved beech handle; varnished edges. 14-in. blade, $1.25 each.
Disston Carpenter, 26-in., $3.50; 28-in., $4.

Saws, Buck or **Wood,** $1.50.
One-Man Crosscut, 3½-ft. blade, $3.75.
Two-Man Crosscut, 5-ft. blade, $5.75.
Saucers. See page 130.



Scissors. For flower-gathering. Finest quality imported. Cuts and holds the flowers. $2.25 each.



Grape. For thinning out bunches of grapes. $1.50 each.

Screw-drivers, Perfect Handle. Made from special analysis steel, carefully tested; handles riveted on, locked in under great pressure, and waterproofed.

5-in. blade	$0 60	8-in. blade	$0 85
6-in. blade	65	10-in. blade	1 00
7-in. blade	75		

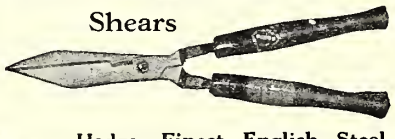


Scythe Stones, Darby Creek, 30 cts.; **Talacre,** 35 cts.
Scythe Handles. $1.75.



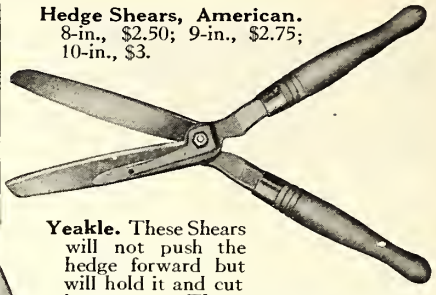
Scythes, Grass and Lawn. Imported English. Has a riveted back, broad, thin, light blade. Best Scythe for cutting grass, rye, oats, etc. 32-in., $3; 34-in., $3.25; 36-in., $3.50.
Domestic. Solid back, 32-in., $2.25; 34-in., $2.50.
Brush or **Briar,** $2.25.

Shears



Hedge, Finest English Steel. Solid steel blade, crucible tool-steel, tempered to hold an edge. Give good service. Shears with notch are the best for cutting heavy stems of hedge plants. With Notch, 8-in. blade, $3.25; 9-in. blade, $3.50; 10-in. blade, $4.25.

Hedge Shears, American. 8-in., $2.50; 9-in., $2.75; 10-in., $3.

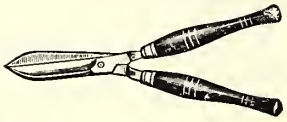


Yeakle. These Shears will not push the hedge forward but will hold it and cut it at once. They also have a tension spring to keep the blades together, consequently need little or no attention, as the spring has a tendency to keep them sharp. $6 each.

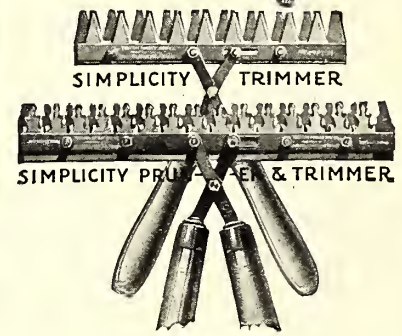
New Wiss. Perfectly balanced. Don't tire the arms. Stay in adjustment. Cut easily. One edge serrated and one knife edge. Forged steel handles with wood grips. Tempered steel blades. 8-in., $2.75 each; 9-in., $3 each; 10-in., $3.25 each.



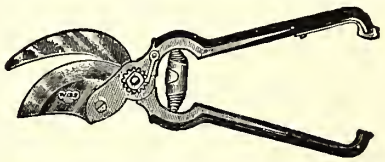
New Wiss Shears



Ladies. 6-in., $1.75.
Simplicity Hedge Pruner and Hedge Trimmer. Cuts both opening and closing. Trimmer, $4; Pruner and Trimmer, $6.



French Hand-pruning. Made of good quality tool-steel; flat roller spring; works easily and cuts well; detachable blades; plain finish. Made in two sizes. 7-in., $2.25; 8-in., $2.50.



Hand-pruning, Wiss. Finest quality crucible tool-steel; tempered to hold an edge; will not break. 10-in., $4; 9-in. $3.50
Wiss No. 309. 9-in., $2.50 each.
Wiss No. 209. 9-in., $1.50 each.



California. Crucible tool-steel blade; malleable handle; Japan finish. A very good Shear for grape-vines and shrubbery. $1.

SHEARS, continued

Ladies' Nickel-plated. Light, practical, handy to use on roses and shrubbery. 6-in., $1.75 each.

Ladies' Light-weight Pruning Shears. Good quality steel. 6-in., $1 each.



"Handy Andy" Pruning Shears. One of the latest and best hand pruners. Adapted to all kinds of work. $2.25 each.

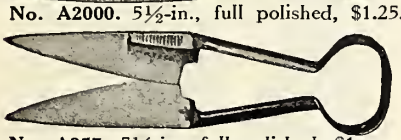


Grass, Genuine "True Vermonter." Finest quality steel. Hollow-ground blades. 5½-in., $2.50 each.

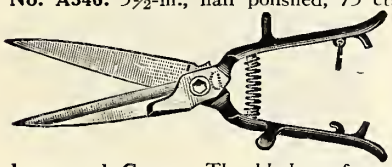
Great American. 5½-in., full polished, $1.50.



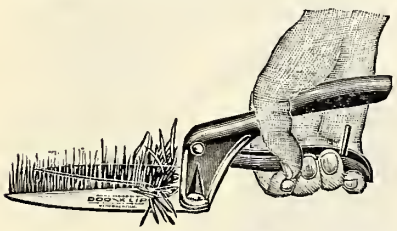
No. A2000. 5½-in., full polished, $1.25.



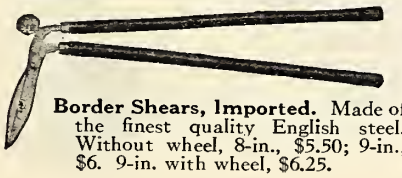
No. A357. 5½-in., full polished, $1.
No. A346. 5½-in., half polished, 75 cts.



Improved Grass. The blades, of tempered cutlery steel, hold their edge, and cut easily and smoothly along their whole length from the "heel" to the extreme points. The handles fit the hand comfortably and naturally. $1.50 each.

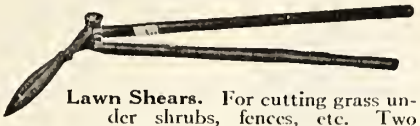


Doo-Klip Grass Shears. Keeps the hand clear off the ground. Operated by an easy up-and-down movement, allowing the hand and wrist to remain in a natural and comfortable position. Blades are oil-tempered and made for hard wear. $1.50 each.

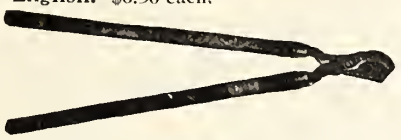


Border Shears, Imported. Made of the finest quality English steel. Without wheel, 8-in., $5.50; 9-in., $6. 9-in. with wheel, $6.25.

Border Shears, American. Without wheel, 9-in., $3.75. With wheel, 9-in., $4.50.



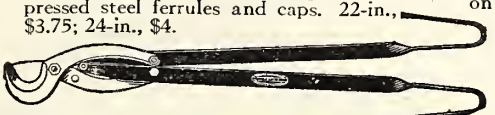
Lawn Shears. For cutting grass under shrubs, fences, etc. Two wheels, 9-in. blades.
American. $4.50 each.
English. $6.50 each.



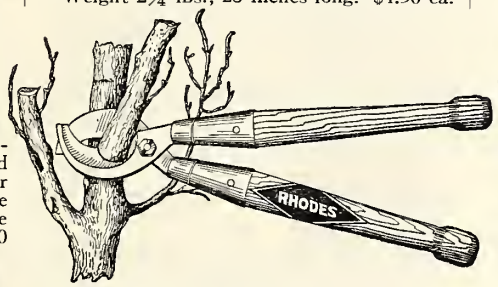
English Lopping Shears. Forged from the best quality steel. The jaws of this pruner open very wide without spreading the handles too far apart, slip onto limbs easily, and work into narrow places. 3½-in. jaw, $6; 4-in. jaw, $6.75.



Lopping Shears. Draw cut. Solid steel blade and hook. Hand forged; 4-inch pressed steel ferrules and caps. 22-in., $3.75; 24-in., $4.



McKenney Lopping Shear. Made of steel throughout; nothing about them to break. The blades are dropped forged from tool-steel and therefore are as strong as they can possibly be made. The handles are of steel; the hand-grip is designed so that the pruner may be carried on the belt.
No. 1. Cuts limb up to 1 inch in diameter. Weight 2¼ lbs.; 23 inches long. $4.50 ea.



Rhodes' Double-Cut Pruner

A good and powerful Pruner. Cuts from both sides of the limb, and does not bruise the bark. Long ferrules; handles do not pull out; blades are of the best forged steel. 28-in., $5 each.

Hedge Trimmer, Little Wonder. A well-designed machine which entirely revolutionizes hedge-trimming. It actually cuts a hedge as fast as you walk, and in an hour will trim the top and two sides of a hedge 300 feet long; this is from five to ten times as fast as hand-work. The cutting blades are of tough steel, holding a sharp edge for a long while and trimming every variety of hedge grown. Use it for trimming, and not for "cutting back" a hedge, and it will last for years.



30-in. cut... $25 00
40-in. cut... 27 50
60-in. cut... 35 00



Little Giant Tree Pruner, $2.25. With saw attachment, $3.

Prices are for Pruner without rope or pole.

Tree Pruners, Waters. A tool that will give entire satisfaction. 6-ft., $2.75; 8-ft., $3; 10-ft., $3.25; 12-ft., $3.50.



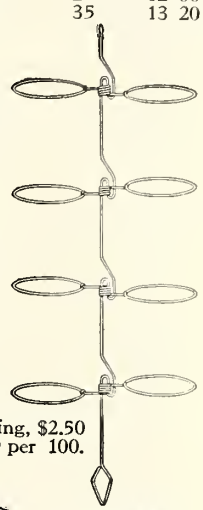
Shading Cloth. It is fine for summer use, protecting plants, etc., from the sun and at the same time allowing ventilation. Made of brown cloth.

	Yds. per piece	Price per yd.	Price per piece
Light	60	$0 20	$11 40
Medium	50	25	12 00
Heavy	40	35	13 20

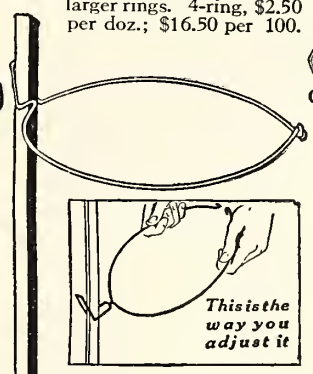
Supports

Müller's Improved Carnation. The best double Support on the market; made of Nos. 10 and 14 galvanized wire, 36 inches high, 4-ring; can be put together in less than a minute; will not fall apart. $2 per doz.; $13.50 per 100; $130 per 1,000.

Snapdragon. Made the same as Carnation Support, but 46 inches high and with larger rings. 4-ring, $2.50 per doz.; $16.50 per 100.

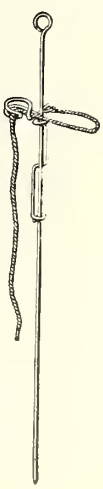


Carnation Support



Tomato or Peony Model. Made of heavy steel wire. They ensure more flowers and better fruit. 35 cts. ea.; $3.50 per doz.

Adjusto Plant. A practical, low-priced Support. It can be adjusted to any height, and can be used year after year. Sizes: 3-ft., $2.50 per doz.; 4-ft., $3 per doz.; 5-ft., $3.50 per doz.



Timesaver Plant Support. A long-lived, low-priced, completely adjustable Support, all metal parts being galvanized, java end is green. 2½-ft., 95 cts. per doz.; 3-ft., $1.15 per doz.; 3½-ft., $1.60 per doz.; 4-ft., $2.20 per doz.

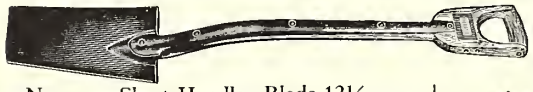
Shovels



Long Handle
Ames, Round Point.....$2 50
Portage City, Square Point..... 2 00
Short Handle
Ames, Round Point..... 2 50
Ames, Square Point..... 2 50
Portage City, Round Point..... 2 25
Portage City, Square Point..... 2 25

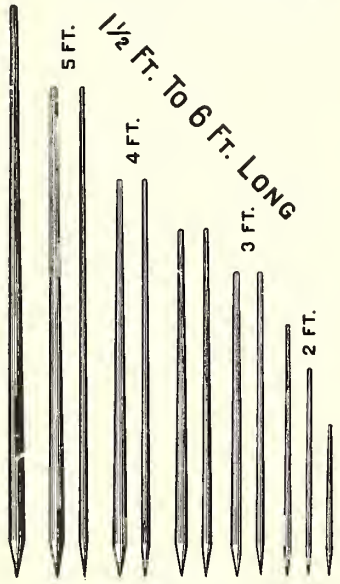


Spades, Steel
Ames, Short Handle.....$2 50
Portage City, Short Handle..... 2 00



Nursery. Short Handle. Blade 12¼ in. long, 7½ in. wide..... 3 00

Sieves. Any size mesh; galvanized wire; well made, 18-in., $1.50; 20-in., $1.60.



Stakes

Bamboo Garden. 4 feet, diam. ½ to ⅝-inch, $4.25 per 100; 6 feet, diam. ⅝ to ¾-inch, $9 per 100.

Bamboo. Dyed green.

	Doz.	100	1,000
2½ feet	$0 25	$1 25	$7 00
3 feet	35	1 40	8 00
3½ feet	35	1 75	9 00
4 feet	40	2 00	10 00

Cane, Japanese. 5 to 6 feet, $2.25 per 100; $8 for 500; $15 per 1,000.

Galvanized Wire.

	100	1,000
No. 10 Wire, Light		
2 feet	$1 25	$9 25
2½ feet	1 60	11 50
3 feet	2 00	13 75
3½ feet	2 25	16 50
No. 8 Wire, Heavy		
4 feet	3 25	27 50
4½ feet	3 50	32 50
5 feet	3 75	35 00
6 feet	4 75	40 00

Round, light, tapering, painted green.

	Each	Doz.	100
1½ feet	$0 04	$0 35	$2 10
2 feet	06	55	3 75
2½ feet	07	75	5 50
3 feet	10	1 00	7 00
3½ feet	11	1 15	9 00
4 feet	13	1 40	10 50
5 feet	16	1 85	12 50

Stakes, Heavy Rose or Dahlia.

Round, painted.	Each	Doz.	100
3 feet	$0 13	$1 44	$11 00
3½ feet	15	1 66	13 00
4 feet	17	1 92	15 00
5 feet	22	2 50	19 00
6 feet	27	3 10	23 00

Hyacinth. Used for staking hyacinths, tulips, and slender plants; dyed green.

	Doz.	100	1,000
1 foot	$0 07	$0 35	$2 50
1½ feet	10	45	3 50

Stake Fasteners

These take the place of string entirely, lasting several seasons; used for fastening cross wires to galvanized stakes.

Everlasting Style. Heavy. $2.25 for 500; $4 per 1,000.

Eureka Style. Light. $1.60 for 500; $3 per 1,000.

SPRAYERS



Jim Dandy Sprayer

Works many times more rapidly than any hand sprayer and is much more efficient. To operate, work handle slowly; one stroke covers large area; no liquid wasted. Sprays anything and everything. All parts are quickly accessible. Made for hard work and long service. The reservoir is made of heavy galvanized iron; capacity two quarts; all other parts are entirely of brass, including ball check valves and nozzle. $3.50 each.

Waterer's Banner Compressed Air Sprayer

Both the brass and galvanized Sprayers are equipped with a seamless brass pump, 2 inches in diameter, with cast-brass pump-head carefully machined, will never rust or corrode—it makes a nice fit The pump-cylinder is held fast to pump-head and does not come apart each time pump is removed from tank, still it may be quickly taken apart if desired.



The shoulder-strap has snap ends for quickly removing, and is adjustable for a short or tall person.

The Automatic Nozzle is made of cast brass, carefully machined and works automatically—wastes no liquids, is oil and chemical-resisting, and non-clogging. Throws a large, broad, fine mist, or long-distance spray as desired.

The tank is made of heavy solid brass, highly polished, or of heavy galvanized steel, double seamed and well riveted, to stand a heavy pressure. Tank has double bottom, giving double strength to withstand hard knocks when set down roughly against stones or on concrete floors.

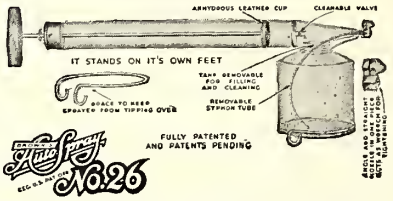
Tank—Capacity, 4 gallons.

Hose, 2-ft. of ½-inch best grade, with coil spring to prevent breaking when not in use, and in addition a brass rod 2 feet long with angle neck to allow easy spraying underneath leaves.

Nozzle, automatic, non-clog.

Brass Tank.....$9 00
Galvanized Tank..... 6 00
Extension Pipes. Brass, 2-foot lengths, for spraying tall shrubs and trees. 60 cts.
Copper Strainer. For straining lumpy liquids. $1.50.

It Sprays Continuously



Hand Atomizer. Continuous spray. Two spray caps—one straight, the other at an angle for reaching under leaves. Will handle all solutions, insecticides, and disinfectants. Easily operated.
All Brass, 1-qt.....$1 50
All Tin, 1-qt..... 1 00

Hand Atomizer, made of heavy tin. Single acting and capable of throwing a fine misty spray. 1-qt., 60 cts.; 1-pt. 50 cts.



Waterer's Justrite Compressed Air Sprayer

The construction is the same as the Banner, but it is not as heavy and of smaller capacity. This sturdy little machine holds about 2½ gallons. It is entirely suitable for spraying on a smaller scale, and is particularly recommended for use where weight is a factor, as when womenfolk or youngsters help out with the spraying. Brass tank, $7.50; Galvanized tank, $5.

Deming's Century Barrel Spray Pump

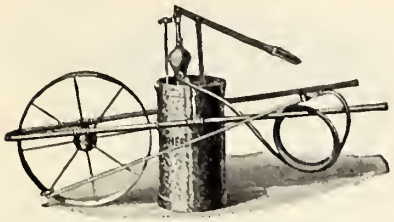


A powerful pump, with 12½-ft. section of ½-inch hose and nozzle, $23.50; complete, with barrel, $32.50. Barrels for holding spray solution, $9.

Deming's Bucket Pump, Perfect Success



With hose, nozzle and bucket fastener, $8.25.

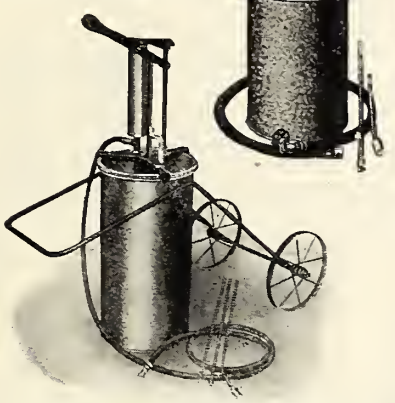


Deming's Wheelbarrow Sprayer

The machine for those who occasionally have to spray trees, chicken-houses, etc., and to whom it is essential that the spraying outfit be transportable. This Deming Sprayer is equipped with a 12-gallon tank, 10 feet of hose, 4-foot extension, and nozzle. With galvanized tank, $31; with brass tank, $40.

Paragon Sprayer No. 1

Capacity 6 gallons; 5-ft. Special Spray Hose; 5-ft. pipe. $17.50 each.

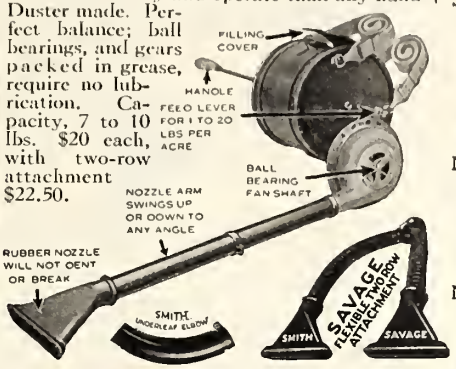


Paragon Sprayer No. 3

Equipped with a 12-gallon tank mounted on a truck, three 2½-foot extension pipes, 2 nozzles, and 10 feet of hose. $25.

The Savage Duster

Easier to carry and operate than any hand Duster made. Perfect balance; ball bearings, and gears packed in grease, require no lubrication. Capacity, 7 to 10 lbs. $20 each, with two-row attachment $22.50.



Knapsack Sprayer



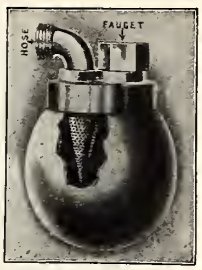
One of the most easily operated Knapsack Sprayers that has ever been produced. It is adaptable to practically all conditions where a small portable Sprayer is required.

The tank, of 4-gallon capacity, is well made of highest quality sheet brass or galvanized iron and is curved to fit the back of the operator.

Equipment: Three feet of ⅜-inch hose, automatic trigger shut-off, and Eureka Spray Nozzle. Galvanized tank, $20; brass tank, $25.

Soap Sprayer

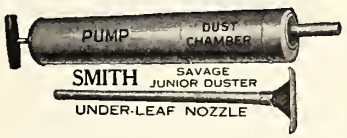
No moving parts. Will last a lifetime. Fill the Sprayer with soap, screw to faucet, attach hose to Sprayer and syringe or water plants. $7.50 each.



Sacco—the perfect plant food for Lawn and Garden



New Blizzard





New Blizzard Sprayer. An all-brass 1-quart continuous Sprayer, with 4 in 1 adjustable nozzle. Sprays straight ahead or at an angle, as desired. Can be used for insecticides, disinfectants, Duco, and lacquers. $1.75 each.

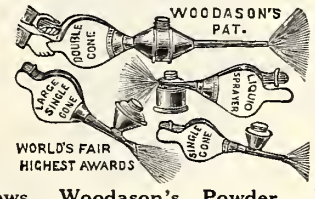
Robertson Compressed Air Sprayer. Brass pump and copper container. 1-qt. capacity. $2.25 each.

Bottle Sprayer. Excellent for spraying house plants. $1.50 each.

Savage Junior Powder Duster

Throws long, broad dust-blast straight ahead, and when under-leaf extension nozzle is attached, easily dusts underside of leaves on low-growing vines or at any angle.

A splendid, high-grade, well-built Duster. Dusts everything in powdered form. Built of finest material and made to stand long, hard service. $1 each.



Bellows, Woodason's Powder. Large double cone, $6.75; large single cone, $4.75; small single cone, $3.25.

Hand Powder-Gun. For distributing dry powder. 35 cts. each.

Sprinklers, Rubber. 10-oz., straight neck, $1.50; 8-oz., crook-neck, $1.15.

Brass Syringes



No. A101. Size 1 x 12 inches. 1 Rose and 1 Jet. $3.75 each.



No. A103. Size 1½ x 16 inches. 1 Rose and 1 Jet. $6.50 each.

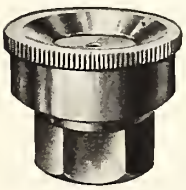


No. A110. Size 1½ x 18 inches. Fine and coarse Rose and Jet. $10.50 each.

Spray Nozzles



Bordeaux. A good Nozzle for whitewash and all heavy spray materials. $1 each.

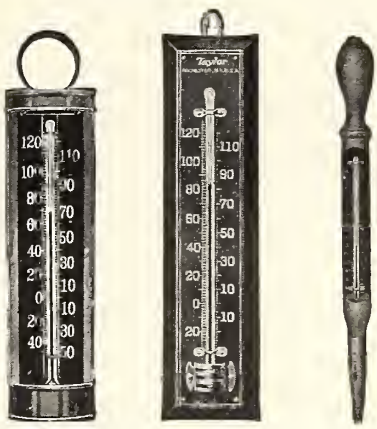


Simplex. Light, durable, compact. Adapted for high pressure. Has two steel discs; for coarse or medium-fine spray, respectively. Does not waste liquid. 90 cts. each.

Extension Pipes

Bamboo, Brass Lined. Fitted with stop-cock. 10 ft., $4.50; 12 ft., $4.75.

Thermometers



No. 5420. Black japanned heavy tin case. For greenhouses. Black oxidized brass scale, white figures. (Spirit.) 8-in., $1.15; 10-in., $1.35.

No. 5400. Copper case. 10-in., $2.90.

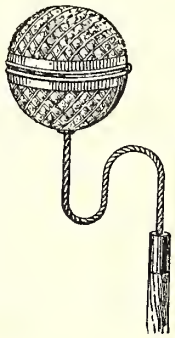
No. 5981, Hotbed. Wood frame, 16 inches, with point. Brass oxidized scale, white figures and graduations. Best grade, $2.75.

No. 5120. Distance reading. Wood back. Mission finish, brass scale, white figures and graduations. (Spirit.) 8-in., $1.75.

No. 5452, Self-Registering. Copper case, black brass scale, white figures. **Maximum** and **Minimum.** $6.25 each with Magnet.

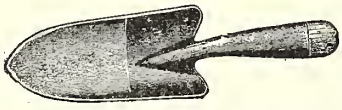
No. 5140. Black scale with white figures and graduations. Wood backs. 8-in., 75 cts.

Asbestos Torch



Attach the Torch to the end of a pole; saturate with kerosene oil, light and hold under the caterpillars' nests, and pass quickly along the branches and around the trunk of the tree. The heat instantly destroys the insects and will in no way injure the trees. Without pole, 50 cts. each.

Trowels



The Kingsbury. All one piece of solid steel. 50 cts. each.



Johnson Steel. These have one-piece steel blade and shank, equal to the imported trowels.

5-inch.....$0 70 | 7-inch.....$0 80
6-inch..... 75 |

Steel-Shank. Somewhat long in blade and handle, making a very practical tool. 6-inch blade, 85 cts. each.



American Garden. Light weight; very serviceable. 6-inch, 30 cts. each.



Transplanting. Narrow steel blade; excellent for setting bulbs, transplanting, or weeding. 7-inch, 35 cts. each.



Transplanting, Shank and Blade

Transplanting. Very handy for transplanting cabbage, tomatoes, etc. Solid steel shank and blade. 75 cts. each.

Twine. Jute. For tying plants and vines; soft and very strong. 2 and 3-ply, ball 25 cts.; lb. 40 cts.

Sea Island Cotton. Green. Ball 15 cts.; lb. 85 cts.

Green Silkaline. Very largely used for tying plants and stringing smilax, asparagus, etc. Spool, 35c.

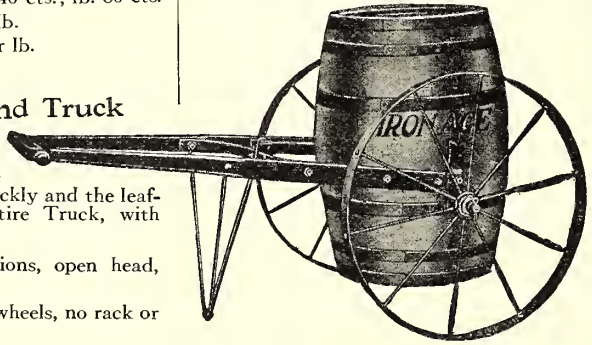
Tar Twine. Ball, 35 cts.

White Cotton. Medium, ball, 40 cts.; lb. 80 cts. Heavy, ball, 40 cts.; lb. 80 cts.

Tarred Sisal. 17 cts. per lb.

Binder Twine. 22 cts. per lb.

Water Barrel and Truck

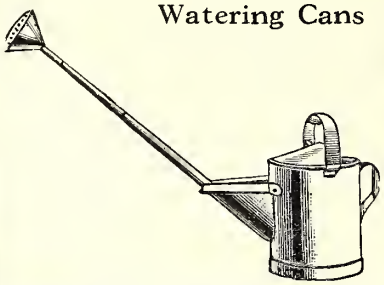


The price below includes barrel and truck. The latter is constructed so that the barrel may be detached quickly and the leaf-rack attached. 3½-inch tire Truck, with barrel, $25 each.

Extra barrels with trunnions, open head, $7 each.

Truck with 3½-inch tire wheels, no rack or barrel, $18 each.

Watering Cans



Wotherspoon's. Galvanized; extra heavy, with long spout and two roses—one coarse and one fine.

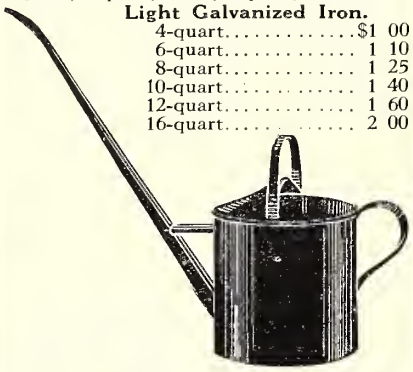
	Round	Oval
4-quart	$4 70	
6-quart	5 00	$5 50
8-quart	5 50	6 00
10-quart	6 00	6 50
12-quart	6 25	6 75
16-quart	7 00	7 50

Extra Roses or Sprays. For Wotherspoon Watering Can, either coarse or fine, 60 cts. each.

Haw's Pattern, English. *Imported.* Heavy galvanized iron, reinforced; made well and substantially. Each pot has a long spout, with one fine and one coarse rose. 3-quart, $5.50; 4-quart, $6.50; 6-quart, $7.50.

Light Galvanized Iron.

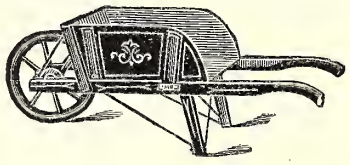
4-quart	$1 00
6-quart	1 10
8-quart	1 25
10-quart	1 40
12-quart	1 60
16-quart	2 00



Window. Long spout. Green, Blue, Yellow, and Maroon. 2-quart, $1.25.

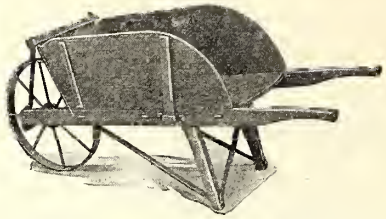
Wheelbarrows

Garden, Farm and Greenhouse



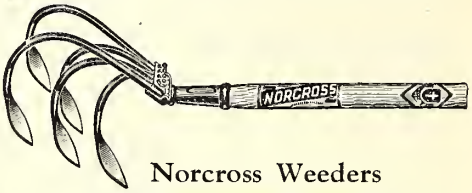
Strong, well-made. The frame is seasoned hardwood painted red. Back and legs put together by joint bolts.

No. 1. 2¾-in. tire	$9 50
No. 2. 2¾-in. tire	8 50
No. 3. 2¾-in. tire	8 00



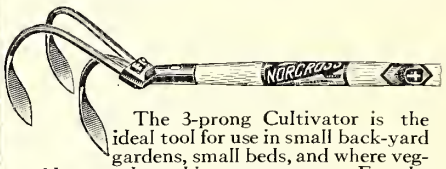
Special Greenhouse Style Wheelbarrow. Narrow body as also is the distance between the handles. $11 each.

Boy's. This is a very neat, well-constructed wheelbarrow. $6 each.



Norcross Weeders

With the 5-prong the gardener can quickly loosen the soil and destroy all weeds. It easily cultivates to a depth of approximately 3 inches, leaving the soil untrampled and in perfect condition. The center prong is quickly and easily detachable for straddling the row if desired. $1.40 each.

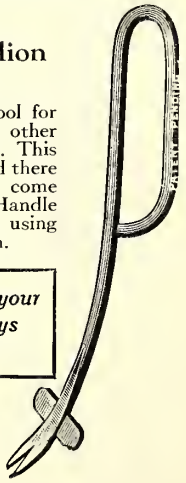


The 3-prong Cultivator is the ideal tool for use in small back-yard gardens, small beds, and where vegetables are planted in narrow rows. For the many women who tend the garden, and for all those who like a light-weight tool, the 3-prong will be found particularly satisfactory. $1 each.



Midget Weeder is designed for cultivating flowers, small shrubbery, etc., where the most careful hand work is required. 65 cts.

Improved Dandelion Weeder

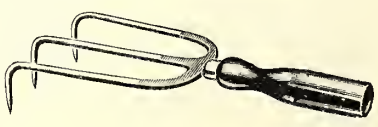


This is an essential tool for lifting dandelions and other similar weeds from lawns. This Weeder will not bend and there is no wooden handle to come off. The all-metal Bent Handle protects the hand when using the Weeder. 75 cts. each.

Use Weed Killer on your walks and driveways
See page 134

Eureka Weeder

Made of flexible steel. 50 cts. each.



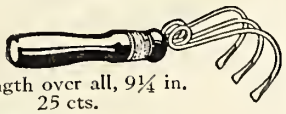


Cleveland Lawn Weeder

Cleveland Lawn Weeder

Removes the root bodily. Is simple to operate. The curved edge of the blade enters and loosens the soil, pressure on the lever then causes the toothed jaw to grasp the plant, and a slight pull suffices to dislodge it without disturbing the surrounding sod. $1.25 each.

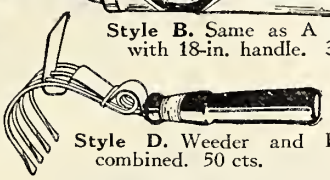
Spring-Tooth Magic Weeder Hoes



Style A. Length over all, 9¼ in. 25 cts.

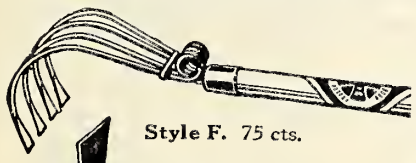


Style B. Same as A but with 18-in. handle. 35c.

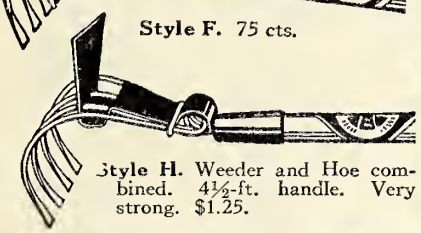


Style D. Weeder and Hoe combined. 50 cts.

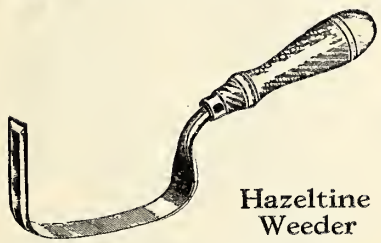
Style G. This Magic Weeder Hoe is larger and stronger than Style F, heavier steel and larger handle, and also made for the hardest possible service. This size is also provided with a movable collar for regulating the width. 4-tine, $1.15 each.



Style F. 75 cts.



Style H. Weeder and Hoe combined. 4½-ft. handle. Very strong. $1.25.



Hazeltine Weeder

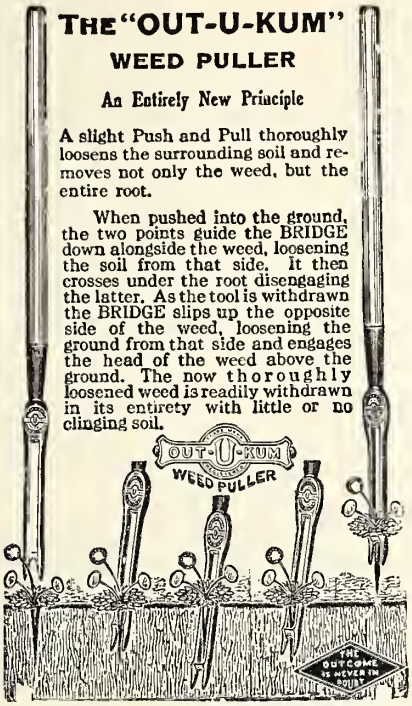
A very handy tool for weeding between narrow rows. 35 cts. each.



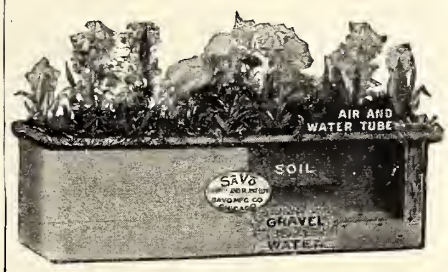
Excelsior Weeder

The claw fingers are useful for loosening and pulverizing the soil. 20 cts. each.

Keep your Roses
free from Aphis. Spray with Aphistrogen.
See page 131



Price of the Out-U-Kum Weed Puller 75 cts. each



Window-Boxes

Savo Self-Watering and Subirrigating

8 inches in height and 9½ inches in width. Strongly made of galvanized steel, with neat round corners and full roll rim. The green enamel finish, both inside and out, prevents rust or leakage.

Model A. 23 in. long	$3 25
Model B. 29 in. long	4 00
Model C. 35 in. long	4 50
Model D. 41 in. long	5 00

Wire

Galvanized.

No.	Roll (12 lbs.)
16	$2 00
18	2 25
19	2 40
20	2 50
22	2 60

Cut Bouquet. 12 inches.

No. 20. Per box (12 lbs.)	$2 25
No. 22. Per box (12 lbs.)	2 50
No. 24. Per box (12 lbs.)	3 00

Wire Netting, No. 19. Galvanized, 2-inch mesh, 150 running feet per bale.

	Bale		Bale
12 in.	$1 75	42 in.	$5 00
18 in.	2 50	48 in.	5 75
24 in.	3 25	60 in.	7 00
30 in.	4 00	72 in.	8 50
36 in.	4 50		

No. 20. Galvanized, 1-inch mesh, 150 running feet per bale.

	Bale		Bale
12 in.	$3 50	42 in.	$9 75
18 in.	5 00	48 in.	10 25
24 in.	6 50	60 in.	12 00
30 in.	7 50	72 in.	15 60
36 in.	8 50		

Wire Flower-Bed Fencing. For putting around beds, lawns, etc.

16-in. Less than 165-ft. roll, 12 cts. per ft.
16-in. In 165-ft. roll lots, 10 cts. per ft.
22-in. Less than 165-ft. roll, 13 cts. per ft.
22-in. In 165-ft. roll lots, 12 cts. per ft.

Continuous Wire Trellis. Excellent for training vines of all kinds. Thoroughly galvanized and well made. Any length desired up to 165 running feet.

18 in. wide, less than 165-ft. roll, 12c. per ft.
18 in. wide, in 165-ft. roll lots, 10 cts. per ft.
24 in. wide, less than 165-ft. roll, 14c. per ft.
24 in. wide, in 165-ft. roll lots, 12 cts. per ft.

Galvanized Wire Work. Any height or any width, in either trellises or arches. Made of heavy diamond-mesh wire with strong frames. It usually requires about two weeks in which to complete orders for this. 50 cts. per sq. ft. on pieces aggregating 15 sq. ft. or over; less than 15 sq. ft., 60 cts. per sq. ft.

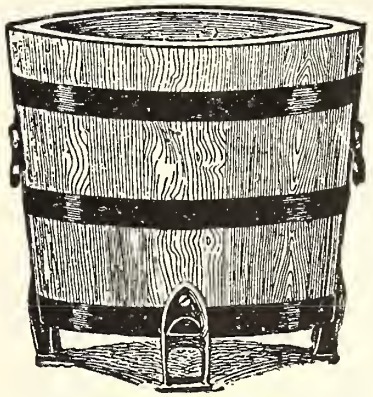
Flower Pots, Saucers, and Plant Tubs

Cedar Tubs

Equipped with Strong Iron Drop Handles and Feet

These are made by hand, of the very best white cedar, painted green, bound with black iron hoops.

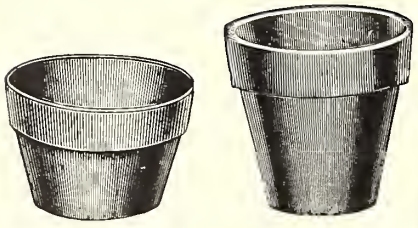
	Inside diam.	Each
No. 0	24¾ in.	$11 50
No. 1	23⅜ in.	10 50
No. 2	21⅜ in.	9 50
No. 3	18 11/16 in.	7 50
No. 4	16½ in.	6 50
No. 5	14 7/16 in.	5 75
No. 6	12 7/16 in.	5 00
No. 7	11¾ in.	4 25
No. 8	10 11/16 in.	3 75



Keystone Plant Tubs

Made of white cedar, painted green, and bound with strong electric welded wire hoops which do not rust. Handles are sold separately at 30 cts. per pair, not attached to tub.

	Inside diam.	Depth	Each
No. 5	10 in.	9 in.	$0 95
No. 6	11 in.	10 in.	1 15
No. 7	12 in.	11 in.	1 30
No. 8	13 in.	12 in.	1 75
No. 9	14 in.	13 in.	1 85
No. 10	15 in.	14 in.	2 25
No. 11	16 in.	15 in.	2 35
No. 12	17 in.	16 in.	2 75
No. 13	18 in.	17 in.	3 25
No. 14	19 in.	18 in.	4 25



Standard Earthenware Flower Pots

Full inside measurement. Six at dozen rates: 50 at 100 rates; 500 at 1,000 rates. Earthenware Flower Pots, Bulb Pans, and Saucers cannot be sent by mail, but only by express or freight, at customer's expense.

Size	Each	Doz.	100	1,000
1 in.	$0 02	$0 20	$1 35	$12 15
2 in.	03	25	1 15	10 15
2¼ in.	04	30	1 20	11 50
2½ in.	05	35	1 50	13 50
3 in.	06	40	1 95	17 55
3½ in.	06	45	2 40	21 60
4 in.	07	50	3 00	27 00
4½ in.	08	60	4 05	36 45
5 in.	10	75	5 40	48 60
5½ in.	12	1 00	6 75	60 75
6 in.	12	1 20	8 10	72 90
7 in.	20	2 00	13 50	
8 in.	25	2 75	19 50	
9 in.	35	4 00	30 00	
10 in.	50	5 50	40 50	
12 in.	1 00	11 00	82 50	
14 in.	1 50	17 50	135 00	

Earthenware Saucers

Size	Each	Doz.	100
4 in.	$0 03	$0 30	$2 25
5 in.	04	40	3 00
6 in.	06	65	4 50
7 in.	08	80	6 00
8 in.	10	1 10	8 25
9 in.	15	1 50	11 25
10 in.	20	1 75	13 50
11 in.	25	2 25	16 50
12 in.	30	2 75	20 25
14 in.	50	5 00	33 75

Round Bulb or Lily Pans

Width	Each	Doz.	100
6 in.	$0 12	$1 20	$8 10
7 in.	20	2 00	13 50
8 in.	25	2 75	19 50
9 in.	35	4 00	30 00
10 in.	50	5 50	40 50
12 in.	1 00	11 00	82 50
14 in.	1 50	17 50	135 00

Waterproof Paper Flower Pots

	Doz.	100	1,000
2¼-inch pots	$0 12	$0 50	$4 45
2½-inch pots	15	60	5 15
3-inch pots	18	80	7 00
3½-in. pots	20	1 00	9 15
4-in. pots	25	1 30	11 40
5-in. pots	30	2 00	17 75
6-in. pots	45	2 70	21 75

Use Weed-Killer on your walks and driveways
See page 134

Square Seed Pans

Earthenware

	Each	Doz.
8 x 8 in.	$1 15	$12 00
10 x 10 in.	1 40	15 50
12 x 12 in.	1 70	18 00

Rubber Saucers

Durable and waterproof.

Size	Each	Doz.
4 in.	$0 20	$2 25
4½ in.	25	2 75
6 in.	30	3 25
6½ in.	35	4 00
7½ in.	40	4 75
9 in.	50	5 75
10 in.	70	8 25
12 in.	85	10 00

Wood Fiber Saucers

Extremely desirable on account of being absolutely waterproof.

	Each
14 in.	$1 50
16 in.	1 75
18 in.	2 00

Cut-Flower Vases

Galvanized iron. Seams well soldered.

No.	Top Diam.	Depth	Each
65	7½ in.	8 in.	$0 65
66	9 in.	10 in.	80
67	9 in.	11½ in.	90
68	9 in.	12½ in.	1 10
69	9 in.	18 in.	1 30
70	9 in.	24 in.	1 75

Planting Table

VEGETABLE	Quantity required for 100 ft. of row	Distance apart		Depth of Planting	No. of Days Required to Germinate	Time Required for Maturity from Date Sown
		Rows	In the row			
Asparagus, seed	2 ozs.	1 ft.	3 in.	1 in.	20 to 28	3 to 4 yrs.
Asparagus, roots	66 plants	3 ft.	1½ ft.	6 in.	.....	1 to 3 yrs.
Beans, Bush	2 lbs.	2 ft.	2 in.	2 in.	6 to 10	45 to 65 days
Beans, Bush Lima	2 lbs.	2 ft.	6 in.	2 in. eye down	6 to 10	70 to 80 days
Beans, Pole Lima	1 lb. to 50 poles	Hills 3 ft. apart	4 to 5 in. in hill	2 in. eye down	6 to 10	85 to 90 days
Beet	2 ozs.	1 ft.	3 to 4 in.	1 in.	7 to 10	60 to 80 days
Brussels Sprouts	¼oz.	2 to 3 ft.	1½ ft.	½in.	5 to 10	100 to 120 days
Cabbage, Early	¼oz.	2 ft.	1½ ft.	½in.	5 to 10	100 to 120 days
Cabbage, Late	¼oz.	2½ ft.	2 ft.	½in.	5 to 10	120 to 150 days
Carrot	1 oz.	1 ft.	2 to 3 in.	½in.	10 to 15	70 to 100 days
Cauliflower, Early	¼oz.	2 to 3 ft.	2 ft.	½in.	5 to 10	100 to 115 days
Cauliflower, Late	¼oz.	2 to 3 ft.	2 ft.	½in.	5 to 10	120 to 130 days
Celery	1 oz.	3 ft.	6 in.	¼in.	12 to 20	120 to 150 days
Corn, Sweet	½lb.	Hills 3 ft. apart	3 plants to hill	½in.	6 to 10	70 to 100 days
Cucumber	1 oz.	4 ft.	Hills 4 ft. apart	1 in.	6 to 10	60 to 85 days
Eggplant	¼oz.	3 ft.	2 ft.	½in.	10 to 14	125 to 140 days
Endive	1 oz.	1 to 1½ ft.	12 in.	¼in.	6 to 10	60 to 75 days
Kale	1 oz.	2 ft.	1 to 1½ ft.	¼in.	5 to 10	90 to 120 days
Kohlrabi	1 oz.	1½ ft.	8 in.	¼in.	6 to 8	60 to 75 days
Leek	1 oz.	1 ft.	6 in.	½in.	6 to 10	120 to 150 days
Lettuce	1 oz.	1½ ft.	8 to 10 in.	¼in.	6 to 10	60 to 80 days
Melon, Musk	½oz.	5 ft.	Hills 5 ft. apart	½in.	6 to 10	100 to 120 days
Melon, Water	1 oz.	Hills 8 ft. apart	8 ft.	1 in.	8 to 12	100 to 125 days
Onion	1 oz.	12 in.	2 to 3 in.	½in.	6 to 10	130 to 150 days
Okra	2 ozs.	3 ft.	10 in.	1 in.	6 to 10	75 to 90 days
Parsley	1 oz.	1 ft.	3 to 4 in.	½in.	18 to 24	85 to 100 days
Parsnip	1 oz.	1 to 2 ft.	4 in.	½in.	12 to 18	100 to 125 days
Pepper	½oz.	2 ft.	1½ ft.	¼in.	10 to 14	125 to 150 days
Peas	2 lbs.	2 to 4 ft., according to height	1 in.	2 in.	6 to 10	50 to 75 days
Potato	10 lbs.	3 ft.	15 to 18 in.	4 in.	15 to 25	75 to 120 days
Pumpkin	1 oz.	Hills 8 to 10 ft. apart	8 to 10 ft.	1 in.	6 to 10	100 to 125 days
Radish	1 oz.	1 ft.	1 to 2 in.	½in.	3 to 5	30 to 40 days
Rutabaga	1 oz.	2 to 3 ft.	8 in.	½in.	4 to 8	90 to 100 days
Salsify	2 ozs.	15 in.	3 to 4 in.	1 in.	7 to 12	120 to 150 days
Spinach	1 oz.	1 to 1½ ft.	4 in.	½in.	6 to 12	50 to 65 days
Spinach, New Zealand	1 oz.	2 ft.	Hills 2 ft. apart	1 in.	7 to 12	60 to 70 days
Squash, Bush	½oz.	Hills 3 ft. apart	Hills 3 ft. apart	1 in.	6 to 10	60 to 75 days
Squash, Running	½oz.	Hills 6 ft. apart	Hills 6 ft. apart	1 in.	6 to 10	100 to 125 days
Swiss Chard	2 ozs.	1½ ft.	6 in.	1 in.	7 to 10	60 to 80 days
Tomato	35 plants	4 ft.	4 ft.	¼in.	6 to 10	125 to 150 days
Turnip	1 oz.	1 to 1½ ft.	4 to 6 in.	½in.	4 to 8	60 to 80 days

A LITTLE BOOK OF PERENNIALS

Devoted to the general principles of growing, using, selecting, and propagating perennials. Cloth cover, $1.75

See our Special Offer of Roses on page 78 and our Special Rock-Garden Plant Offers on pages 104, 105

Special Fertilizers, Insecticides and Fungicides

SACCO

TRADE MARK REG U S PAT OFF

Makes Things Grow

Sacco is the finest of fertilizers—a combined soil rectifier and growth producer for use on **Lawns, Gardens, Shrubs, Flowers, Trees, Potted Plants** and **Vegetables.** It is a well-balanced preparation containing **all the feeding elements** essential to the perfect growth and development of all plants.

Use 2 to 4 pounds per 100 sq. ft. Full directions for using SACCO are printed on each package.



One application produces amazing results

A single **Sacco** application can be depended upon to make grass and vegetables grow vigorously and to make flowers and shrubbery beautiful with bloom and foliage. This plant-food gives quick results, is easy to apply and very economical.

The 85-cent size will fertilize a plot of lawn 20x25 ft. The $1.75 size will cover 30x40 feet of lawn.

1-lb. can	$0 25	50-lb. bag	$3 00
5-lb. can	50	100-lb. bag	5 00
10-lb. bag	85	½-ton	47 50
25-lb. bag	1 75	Ton	90 00

Wedo

Feeds Grass - Fights Weeds

SPECIAL FERTILIZER FOR

Weed Elimination in Lawns

Here is an ideally balanced fertilizer made especially to rid your lawn of weeds. Lawns will grow luxuriantly and weeds will gradually disappear.

WEDO is formulated after recommendations of leading experiment stations and soil authorities. It contains the recommended amounts of nitrogen, phosphates and potash most suitable to lawn grasses.

Weed-Eliminating Features

Incorporated in WEDO are the valuable weed-eliminating features of sulphate of ammonia and other weed-control elements.

How Much Wedo to Buy

Only 1 pound is required for 100 square feet. Multiply the dimensions of the area to be treated and divide by 100. This will give you the number of pounds required. 25 lbs. $2; 50 lbs. $3.75; 100 lbs. $6.50.



Red Arrow Insect Spray

Non-Poisonous to Man, Child, Bird or Pet

DEADLY TO INSECTS

Will not burn or blight the tenderest leaf or stain the most delicate blossom. Fatal to both chewing and sucking insects.

Effective against the following:

Flower Garden Insects

Aphis (Plant-lice)
Leaf-Hoppers
Aster Beetles
Twelve-spotted Dahlia Beetles
Fern Caterpillar
Red Spider
Mealy Bugs
Rose-Chafer
White Fly

Vegetable Garden Insects

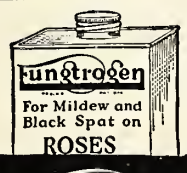
Japanese Beetle
Mexican Bean Beetle
Cabbage Looper
Harlequin Cabbage Bug
Aphis
Thrips
Celery Leaf-Tier
Asparagus Beetle
Cutworm
Striped Cucumber Beetle, etc.

For small quantities, 2 teaspoonfuls to 1 gallon of water is sufficient. Oz. 30 cts.; ½pt. $1.75; qt. $6; gal. $22.

Aluminum Sulphate for Rhododendrons

MAKES SOIL ACID

Lime soil being hostile to rhododendrons, it must be corrected, and the simplest and most inexpensive method is the use of ground Aluminum Sulphate, 1 to 3 pounds per square yard, sprinkled evenly over the surface and allowed to leach into the soil. Use caution in the application of this material in mixed plantings, however, as some plants, particularly lilacs, would suffer. The quantity of Aluminum Sulphate to be used depends on the lack of acidity, but one to two pounds added to any soil to a square yard of surface would be beneficial. For watering, if soft water is not readily available, use one-half pound of Aluminum Sulphate dissolved in 40 gallons of water to counteract the lime in the water. 5 lbs. 75 cts.; 10 lbs. $1.25; 25 lbs. $2; 100 lbs. $6.



Fungtrogen

FUNGICIDE AND STIMULANT

REG U S PAT OFF

FUNGTROGEN is the ideal spray for roses. Conquers mildew and black-spot. Fertilizes through the foliage. A highly concentrated fungicide that conquers mildew and controls black-spot on roses, phlox, and other plants. It is unique in that it contains an important nitrogenous element—hortogen—that is readily absorbed by the plant through the foliage, and results in stimulating to amazing vigor, luxuriant foliage, and wonderful blooms. This noted invisible spray has received the endorsement of the world's leading rosarians. With it the amateur can attain results heretofore deemed possible only by professionals. Soluble in water and highly concentrated.

½pt.	$0 75
Pt.	1 25
Qt.	$2 00
½gal.	3 50
Gal.	6 00



INSECTROGEN is for leaf-chewing insects—caterpillars, slug worms, Japanese beetles, etc., and blights. A powerful fertilizer, too. Use alternately with Fungtrogen. Both carry their own spreader.

½pt. (sample)	$1 00	Qt.	$2 75
Pt.	1 75	½gal.	4 50
		Gal.	8 00

Ferogen

GROUND DRESSING

SOIL STABILIZER AND FERTILIZER

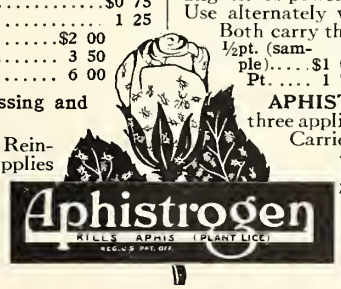
TRADE MARK

Spring-Summer Ground Dressing and Ground Stabilizer

A valuable plant-food. Reinforces manure fertilizers. Supplies essential chemical elements to the soil.

1-lb. tins	$0 75	10-lb. tins	$4 75
2-lb. tins	1 25	25-lb. drums	11 00
5-lb. tins	2 75	100-lb. drums	40 00

10 lbs. is sufficient for one application for 30 to 50 rose bushes.



APHISTROGEN destroys the destructive aphis in two or three applications. For all plants subject to aphids or plant-lice. Carries the noted Rosenbluth leaf fertilizer.

4 ozs.	$0 75
½lb.	1 25
2 lbs.	3 50
12 lbs.	15 00

All these preparations are indorsed by leading rosarians and by us.

Fertilizers for the Farm, Lawn, Garden, and Greenhouse

Prices on Fertilizers subject to change without notice

Adco. The addition of Adco to vegetable refuse, grass clippings, leaves, cornstalks, etc., will produce a clean, odorless manure. 25 lbs. $2; 150 lbs. $10.50.

Aluminum Sulphate. See page 131.

Ashes, Hardwood. Apply 1,000 pounds per acre. Indispensable for all crops requiring potash; excellent for mixing with potting soil. For top dressing lawns and grass fields it is applied to best advantage either in early spring or late fall. 25 lbs. $1; 50 lbs. $1.75; 100 lbs. $3; 200-lb. bbl. $5; 1,000 lbs. $22.50; ton $40.

Blood, Dried. For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. One of the quickest acting fertilizers. 5 lbs. 60 cts.; 10 lbs. $1; 25 lbs. $2; 50 lbs. $3.50; 100 lbs. $6; 200 lbs. $10.

Bone Flour. Ground perfectly fine. An excellent fertilizer for pot plants or beds where an immediate effect is wanted. 5 lbs. 50 cts.; 10 lbs. 85 cts.; 25 lbs. $1.50; 50 lbs. $2.75; 100 lbs. $5; 200 lbs. $8.50; 1,000 lbs. $37.50.

Bone-Meal. We recommend this especially for lawns, gardens, and greenhouses, or any purpose where a high-class fertilizer counts. Apply 800 to 1,000 pounds per acre. 3 lbs. 25 cts.; 5 lbs. 35 cts.; 10 lbs. 60 cts.; 25 lbs. $1.40; 50 lbs. $2.25; 100 lbs. $4; 200 lbs. $7.50; ½ton $32.50; ton $60.

Bone, Baugh's Coarse-ground. 200-lb. bags only. 200 lbs. $8; ½ton $35; ton $65.

Bone, Coarse. (¼-in. cracked.) A lasting fertilizer for trees, shrubs, etc. 200-lb. bags only. 200-lb. bags $12.50; ½ton $57.50; ton $110.

Carnation Food (Springfield). Invigorates root action, strengthens stem and calyx, intensifies the color, adds lasting qualities to the blooms, and insures a larger and more perfect crop. 25 lbs. $1.75; 50 lbs. $3; 100 lbs. $5.

Cattle or Cow Manure, Shredded. For garden, lawn, and greenhouse, and especially good to mix with compost. 5 lbs. 45 cts.; 10 lbs. 70 cts.; 25 lbs. $1.40; 50 lbs. $2; 100 lbs. $3.75; 500 lbs. $18; 1,000 lbs. $33; ton $60.

Chrysanthemum Manure (Thomson's Special). Entirely soluble and very powerful. Especially suitable for top dressing chrysanthemums and similar plants. To be used as an additional stimulant during the growing season. 28-lb. bag $4; 56-lb. bag $7.

Clay's Fertilizer. An English chemical fertilizer for forcing greenhouse plants and vegetables. It can be used in either dry or liquid form. 28-lb. bag $3.75; 56-lb. bag $6.25; 112-lb. bag $12.

Corn and Oats Fertilizer. This contains the necessary ingredients for increasing the yield of corn and oats. Sack of 200 lbs. $5.50; 1,000 lbs. $25; ton $45.

General Crop Grower. This is a combination brand of fertilizer containing 1 per cent ammonia, 8 per cent phosphoric acid, and 1 per cent potash. Sack of 200 lbs. $4.50; 1,000 lbs. $20; ton $36.

Hyper-Humus, Prepared. An excellent article to incorporate with poor soil in the garden, greenhouse, or in potting plants. When used in garden work, the ground should be covered with ½ to 2 inches of Humus and spaded in. 5 lbs. 35 cts.; 10 lbs. 60 cts.; 25 lbs. 90 cts.; 100 lbs. $2.25; 500 lbs. $10; 1,000 lbs. $15; ton $25.

Horn Shavings. Used principally for mixing in potting soil; is rich in ammonia; especially valuable in chrysanthemum growing. 5 lbs. 65 cts.; 10 lbs. $1.10; 25 lbs. $2; 50 lbs. $3.75; 100 lbs. $7.

Land Plaster. Apply about 1,000 to 1,500 pounds per acre for a top dressing on sour and worn-out soils, also for mixing with Paris green. 100 lbs. $2; 200 lbs. $3.75; ½ton $16; ton $30.

Lime, Hydrated or Powdered. Promotes growth and gives the grass a rich color. Apply 1 ton per acre on fields or ½ton on lawns. 10 lbs. 45 cts.; 100-lb. sack $2; 500 lbs. $9; 1,000 lbs. $16; ton $27.

Muriate of Potash. 50% *Actual Potash.* The most economical form of potash and the most generally used in farm practice. Apply 100 to 500 pounds per acre, usually with other fertilizers. 5 lbs. 35 cts.; 10 lbs. 60 cts.; 25 lbs. $1.25; 50 lbs. $2.25; 100 lbs. $4; 200 lbs. $7.50.

Nitrate of Soda. Apply 200 to 300 pounds per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form, dilute 2 ounces to 1 gallon of water and do not apply oftener than twice a week. Lb. 15 cts.; 5 lbs. 45 cts.; 10 lbs. 85 cts.; 25 lbs. $1.50; 50 lbs. $2.50; 100 lbs. $4.50.

Phosphate. (16% Acid Phosphate.) Apply 1,000 lbs. per acre. 5 lbs. 35 cts.; 10 lbs. 65 cts.; 25 lbs. $1.25; 200 lbs. $3.50; ½ton $13.50; ton $25.

Plantabbs. An odorless plant-food for all house plants. Pkg. (30 tablets) 25 cts.; 75 tablets 50 cts.; 200 tablets $1; 1,000 tablets $3.50.

Sacco. See page 131.

Mulch your Evergreens, Roses, Shrubs, etc., with Peat Moss

Salt. Used as a top dressing for asparagus beds. Should be applied early in the spring at the rate of 800 to 1,000 pounds per acre. 100 lbs. $2; 200 lbs. $3.25; ½ton $13; ton $25.

Sheep Manure. Apply 1,000 pounds per acre. One of the most extensively used of animal manures. The analysis shows it to be a perfectly balanced plant-food. For garden, lawn, or greenhouse use, nothing surpasses sheep manure. It is clean and easily handled, besides giving immediate results. 2 lbs. 25 cts.; 5 lbs. 45 cts.; 10 lbs. 70 cts.; 25 lbs. $1.25; 50 lbs. $2; 100 lbs. $3.75; 500 lbs. $18; 1,000 lbs. $33; ton $60.

Smith's Mum Manure. An excellent food for chrysanthemums and other flowers, either under glass or in the garden. 50 lbs. $5.50; 100 lbs. $10.

Soot, Imported Scotch. This is used principally for bringing a good healthy color into the foliage of chrysanthemums and other greenhouse plants. Also destroys insects and grubs that work on top of or underneath the surface. 5 lbs. 75 cts.; 10 lbs. $1.25; 25 lbs. $2; 112 lbs. $6.

Springfield Rose Food. An organic fertilizer containing the vital elements of plant life in scientifically correct proportions to make it an ideal food for roses. Will keep your bushes in splendid condition and produce an abundant crop of perfect blooms. Enthusiastically acclaimed by leading commercial growers and by members of the American Rose Society in all sections of the country. 10 lbs. $1; 25 lbs. $2; 100 lbs. $5.

Stimugerm. A pure culture of nitrogen-fixing bacteria selected for maximum vitality and ability to deposit soluble nitrates in the soil. Special garden size for garden beans, peas and sweet peas, 25 cts. We supply Stimugerm for alfalfa and all clovers. Prices: ¼-bus. size 35 cts.; ½-bus. 60 cts.; bus. $1; 2½-bus. $2.25. Also for vetches, peanuts, sweet peas and every variety of field and garden peas and beans. Prices: ½-bus. size 35 cts.; bus. 60 cts.; 5-bus. $2.25. State what crop it is wanted for when ordering.

Stim-U-planT. A plant-food in tablet form; contains highly concentrated, immediately available forms of plant-food for use in stimulating all fruit, flower, vegetable, and ornamental plants, and may be used in tablet or in liquid form. Pkg. (30 tablets) 25 cts.; 100 tablets 75 cts.; 1,000 tablets $3.50.

Sulphate of Ammonia. A nitrogenous fertilizer for the lawn, home garden, shrubs, and house plants. Unequaled as the spring application for stimulating early, vigorous plant-growth. 10 lbs. will fertilize a lawn 50 x 50 ft. 2 lbs. 35 cts.; 5 lbs. 75 cts.; 10 lbs. $1.25; 50 lbs. $3.50; 100 lbs. $6.

Tobacco-Tex. A tobacco base fertilizer. Does not have an ounce of waste. It is a humus, a plant-food, and an insecticide combined. It produces stronger stems and richer foliage and protects the plant while growing. 100 lbs. $3.75; 200 lbs. $7.25; 500 lbs. $17

Tankage. This is usually applied to plants, such as roses, etc., under glass. 100 lbs. $3.75; 200 lbs. $6.75.

Thomson's Special Flower, Vegetable, and Vine Manure. Imported from England, this excellent chemical fertilizer is a reliable food and stimulant for every fruit-bearing plant, also foliage and flowering plants and vegetables of all descriptions. So compounded as to combine stimulating with lasting effects. 28-lb. bag $3.75; 56 lbs. $6.25; 112 lbs. $12.

Tobacco Stems. For fumigating, mulching, and fertilizing; an excellent top dressing for lawns in winter. In bales, 2 cts. per lb.; ½ton $15; ton $27.50.

Truckers' Favorite. A high-grade fertilizer for vegetables. 200 lbs $6.50; ½ton $30; ton $55.

Vigoro. A scientifically balanced food-ration furnishing all plant-life with proper nourishment for maximum growth and beauty. It is clean, odorless, free from weed seed, and easy to apply. 5 lbs. 50 cts.; 25 lbs. $1.75; 50 lbs. $3; 100 lbs. $5.

Wedo. See page 131.

Create a Beautiful Lawn by Sowing

WATERER'S
Lawn Grass Seed

Fertilize with SACCO, the perfectly balanced fertilizer for the Lawn.

SEE PAGES 3 AND 131

Insecticides, Etc.

Prices subject to change without notice. Directions for using any of the following will be found on each package

All-In-One Powder. A dry combination of 1¼ per cent Nicotine; 9 per cent Arsenate of Lead and 65 per cent Sulphur, controlling many fungous diseases, and both chewing and sucking insects. Lb. 60 cts.; 5 lbs. $2.75; 25 lbs. $12.50.

Ant Killer. An effective exterminator of ants. One-half teaspoonful is required for each ant-hill. ¼lb. 35 cts.; ½lb. 60 cts.; lb. $1.

Antrol. The Antrol system is adapted to any size house or garden and quickly destroys all species of sweet-eating ants. It is composed of small glass containers and a special formula of syrup. The containers are partially filled with syrup and placed about the outside edges of the house or along "ant"-trails in the garden if the infestation occurs there. The ants smell the syrup, eat it and then transmit its mild poison to the queen in the nest. Soon the entire ant colony is destroyed! Antrol Sets containing 4 containers and 4-oz. bottle of syrup, 95 cts.; Antrol extra containers (each), 15 cts.; Antrol Syrup, 4-oz. bottles, 45 cts.; pts. 95 cts.; gals. $3.75.

Aphine. The recognized standard insecticide. Not a cure-all, but a specific remedy for all sap-sucking insects infesting plant life, such as green, black, or white fly, thrips, red spider, mealy bug, and soft scales. Pt. 70 cts.; qt. $1.15; gal. $3.25.

Aphis Punk. A nicotine paper for fumigating. Pkg. (12 sheets) $1; case (12 pkgs.) $9.50.

Arsenate of Lead. (Powdered.) One to 1½ pounds dilutes to 50 gallons of water, or may be used dry, like Paris Green. Lb. 50 cts.; 5 lbs. $2.25; 10 lbs. $4; 25 lbs. $8; 50 lbs. $15; 100 lbs. $27.

Aphistrogen. See page 131.

Black-Leaf 40. A concentrated solution of nicotine for spraying. 1-oz. bottle 35 cts.; ½lb. $1.25; 2 lbs. $3.25; 10 lbs. $11.85.

Bordo-Lead (Bordeaux and Arsenate of Lead). (Powder.) A combined fungicide and insecticide for fruit trees, potatoes, melons, cucumbers, etc.; also for mildew, black-spot, etc., on roses. Lb. 45 cts.; 5 lbs. $2; 10 lbs. $3.50.

Bordeaux Mixture. (Dry.) For dusting plants affected with mildew and all fungous diseases. Can be used as a spray. 1-lb. box 40 cts. (makes 5 gallons spray); 5 lbs. $1.75.

Bug Death. Used instead of Paris Green for eating insects on potatoes, cucumbers, squash and currants, etc. Lb. 25 cts.; 5 lbs. 75 cts.; 12½ lbs. $1.50.

Calcium Casenate. Used as a spreader to mix with other insecticides. Lb. 45 cts.; 5 lbs. $1.75.

Carbola. A white paint and powerful disinfectant in powdered form. Mixes readily with water and may be applied with brush or sprayer; does not peel or flake. For painting poultry-houses, barns, cellars, etc. One pound covers 100 square feet. 5 lbs. 75 cts.; 10 lbs. $1.25; 50 lbs. $5.

Coated Lead Arsenate. A wonderful invention perfected in the fight against the Japanese Beetle. Sticks to fruit and foliage indefinitely and is so palatable to the beetle that the result is a high percentage of killing. Lb. 60 cts.; 2½ lbs. $1.10; 10 lbs. $3.75; 50 lbs. $15.

Copper Solution. (Liquid.) For fungus, mildew, leaf-blight, rust, and black-rot. Qt. $1.50; gal. $4.

Cutworm Killer. For use as poisonous bait against cutworms and slugs by placing around plants subject to attack. It has an enticing odor that worms prefer to vegetation. One pound is sufficient for 100 plants in hills. Lb. 50 cts.; 5 lbs. $2; 25 lbs. $7.50.

Crow Repellent. Protects corn from rot, also birds and animal pests, such as gophers, squirrels, etc. Does not hinder germination. Large can (enough for 2 bus. seed corn) $1.50; small can (enough for 1 bus.) $1.

Cyanogas. (G, Fumigant.) Cyanogas is easy to use. The granules are simply scattered on the walks and the greenhouse closed for the night. 1-lb. can 75 cts.; 5 lbs. $3.

Cyanogas. (A, Dust.) For outside use in killing rats, moles, woodchucks, gophers, and ground squirrels. Lb. 75 cts.; 5 lbs. $3.

Ever Green. Kills most plant pests, including even cutworms. Use it freely on tender plants and flowers—it can't burn or otherwise injure them. A 1-ounce bottle makes 6 gallons of effective spray. Oz. 35 cts.; 6 ozs. $1; lb. $2; 2 lbs. $3.50; gal. $13.

Ferogen. See page 131.

Fish-Oil Soap. An excellent summer spray, when something stronger cannot be used, where San José Scale exists. Lb. 25 cts.; 5 lbs. $1; 10 lbs. $2; 25 lbs. $4; 100 lbs. $10.50.

Fish-Oil Soap (Good's Caustic Soft Soap). 2 lbs. 50 cts.; 5 lbs. $1.10; 25 lbs. $3.75.

Fungine. Destroys mildew, rust, and other fungi. Qt. $1; gal. $3.

Fungtrogen. See page 131.

Grape Dust. For the prevention of mildew on roses, grapes, gooseberries, etc. 5-lb. pkg. $1; 10 lbs. $1.85.

Hellebore. For destroying slugs, worms, caterpillars, etc. ½lb. 35 cts.; lb. 60 cts.; 5 lbs. $2.75.

Insectrogen. See page 131.

Lemon Oil Co.'s Standard Insecticide. Destroys mealy bugs, scale, thrips, red spider, black and green fly, etc. ½pt. 35 cts.; pt. 60 cts.; qt. $1; ½gal. $1.75; gal. $3; 5 gals. $12.

Lime-Sulphur. For scale insects on trees and shrubs, and such fungous diseases as can be treated in winter or early spring. Qt. 45 cts.; ½gal. 75 cts.; gal. $1.15; 5 gals. $4; ½bbl. (30 gals.) $10.50; 50-gal. bbl. $15.

Lime-Sulphur. (Dry Powder Form.) Lb. 35 cts.; 5 lbs. $1.40; 10 lbs. $2.25; 25 lbs. $4.75; 50 lbs. $7.75; 100 lbs. $15.

Mag-O-Tite. Protects crops against the ravages of the root maggot and other garden pests; also eradicates earth worms from lawns and putting greens. Not injurious in any way to plant life. 1-lb. tin 50 cts.; 5-lb. tin $1.50; 25-lb. tin $5.

Melrosine. Excellent against rose bugs and other pests; will not discolor flower or foliage. Pt. $1; qt. $1.75; ½gal. $3.25; gal. $6.

Nico-Fume. (Liquid.) For use as a spray or vapor, for controlling green fly, aphis, etc., in greenhouses and outdoors. ¼lb. 85 cts.; lb. $2.50; 4 lbs. $8; 8 lbs. $15.

Nico-Fume Paper. For fumigating greenhouses; gives off dense fumes charged with nicotine. Box (24 sheets) $1.50; 144 sheets $5.50; 288 sheets $9.25.

Nico-Fume Tobacco Powder. A tobacco powder highly charged with nicotine; splendid for fumigating greenhouses. Lb. can $1.15; 5 lbs. $4; 10 lbs. $7.50.

Nikoteen (30%). ½lb. bottle, $1.35; lb. $2.25; 4 lbs. $7; 8 lbs. $12.50.

Old English Lawn Klenser. *Kills Japanese Beetles, stimulates grass, checks weeds.* A mixture of chemicals and fertilizing materials in powder form. It is sure death to the Japanese Beetle grub and also is a stimulant to fine turf grasses, while at the same time it checks and prevents the growth of weeds commonly found in fine turf. Ten pounds of Old English Lawn Klenser is sufficient to cover 1,000 square feet. One application will usually be found an effective control for two years. 2 lbs. 90 cts.; 5 lbs. $1.80; 10 lbs. $3; 25 lbs. $6.75; 50 lbs. $12.50; 100 lbs. $24. We will apply 500 lbs. or more at the rate of $20 per 100 lbs. in Philadelphia and vicinity. (No charge for applying.)

Para-Dichlorobenzine. For peach-tree borers. Lb. can 65 cts.; 5-lb. can $2.50; 10-lb. can $4.50; 25-lb. keg $11.

Paris Green. ¼lb 15c.; ½lb. 30c.; lb. 55c.; 5 lbs. $2.50; 14 lbs. $5.



Pyrox. The one best and safest all-round spray which kills all leaf-eating insects and prevents blights and all fungous troubles, without injury, on fruit trees, grape-vines, currant bushes, potatoes, cantaloupes, cucumbers, and other garden vegetables, also on rose bushes, shrubbery, etc. It is a creamy paste which looks like paint and "sticks like paint." It needs only to be mixed with cold water and it is ready to apply. Lb. 50 cts.; 5 lbs. $2; 10 lbs. $3.50; 25 lbs. $7; 50 lbs. $12.50; 100 lbs. $21; 300 lbs. $58.50.

Pomo Green. A combination fungicide and insecticide. It serves as a quick-acting poison for leaf-eating insects and controls mildew, black-spot, and other fungi affecting roses. This new, green fungicide, which harmonizes with the color of the foliage, may also be used to control snapdragon rust, sweet pea mildew, phlox mildew, carnation-rust, and many other fungous diseases of flowering plants and ornamentals. 5 lbs. $1.50; 25 lbs. $7.

Rat Corn. A very effective rat poison. Cans 25 and 50 cts. each.

Red Arrow Insect Spray. See page 131.

Scalecide. Used for the destruction of San José scale. Spray during the winter or early spring when the trees are dormant. Qt. 75c.; gal. $1.75; 5 gals. $6.25; 10 gals. $11; 30 gals. $26; 50 gals. $38.

Semesan. Prevents and controls fungous diseases, quickens seed-germination, invigorates seedling growth, produces sturdier plants, increases crop-yield. Seedlings grown from Semesan-treated seeds are more resistant to the costly "damping-off" fungi which so severely attack both seedlings and cuttings. 2-oz. can, 50 cts.; 1-lb. can, $2.75; 5-lb. can, $13; 25-lb. can, $62.50.

Slug Shot, Hammond's. One of the cheapest and best powders for destroying insects. 1-lb. canister 20 cts.; 5 lbs. 60 cts.; 10 lbs. $1.20; 25 lbs. $2.75.

Snarol. For control of cutworms, snails, slugs, etc. Non-injurious to vegetation and very economical to use because of its insolubility in water, thereby rendering it effective for one to three weeks. Lb. 45 cts.; 3 lbs. 95 cts.; 15 lbs. $3.50; 50 lbs. $9.50.

Sulfocide. An efficient summer spray for the control of scab and black rot on fruit trees. Excellent for mildew and black rot of roses and for similar fungous troubles of other plants. For general use, dilute one gallon to 200 gallons of water. 1-qt. can, $1; 1-gal. can, $2.75.

Sulphur, Powdered. For mildew. Lb. 10 cts.; 5 lbs. 45 cts.; 10 lbs. 85 cts.; 25 lbs. $2; 100 lbs. $7.50.

Sunoco Spray Oil. For the control of aphis, psylla, red spider, scale, etc. Gal. $1.50; 5 gals. $5.75.

Thrip Juice, Hammond's. This preparation is very effective against aphis, red spider, mealy bugs, and sucking insects generally. Pt. 85 cts.; qt. $1.40.

Tobacco Dust. For burning or dusting; state which is wanted. Lb. 10 cts.; 5 lbs. 45 cts.; 10 lbs. 85 cts.; 25 lbs. $1.75; 50 lbs. $3.25; 100 lbs. $6.

Tree Paint. Qt. 85 cts.; gal. $2.50.

Tree Tanglefoot. A sticky substance applied directly to the bark to protect trees against climbing insect pests. One application remains sticky, fully exposed to weather, three months. One pound will make a band 7 to 8 feet long. Lb. can 60 cts.; 5 lbs. $2.75; 10 lbs. $5.

Vermine. A soil-sterilizer and germicide. Destroys eel, cut, wire, and grub worms, maggots, root-lice and ants. Used one part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil. Qt. $1; gal. $3.25.

Volck. The most tender foliage is safe where Volck is used. Coleus, cyclamen, evergreens, ferns, orchids and many other types of plants can be sprayed with safety. Volck is the most effective remedy known for red spider on indoor vegetables. It is used because it is safe and sure. Two and one-half tablespoons of Volck will make 1 gallon of dilute spray. Pt. 70 cts.; qt. $1; gal. $3; 5 gals. $12.50; 14-gal. drum $25.

Weed-Killer. For the destruction of weeds and grass on roadways, paths, gutters and places where no growth is wanted. One gallon diluted makes 40 gallons treating liquid, enough to cover an area of 500 to 1,000 square feet. Qt. 55 cts.; gal. $1.75; 5 gals. $6.75; 30 gals. $33; 50-gal. bbl. $50.

Wilson's O. K. Plant Spray. A powerful yet harmless and efficient insecticide for aphis, red spider, mildew, scale, etc., for inside and outside spraying. Qt. $1; gal. $3; 5 gals. $12; 10 gals. $20.

X-L-ALL Liquid Insecticide. Destroys mealy-bug, scale, thrip, red spider, green and black fly, caterpillars, blight and all insect pests in the garden; it is perfectly safe to use on tender plants. $8 per gal.

Sundries

Bull Dog Clips. For fastening packages, etc. $1.25 per box.

Charcoal, Lump. For use in potting. Pk. 65 cts.; bus. $1.50; bbl. sack $2.50.

Charcoal (Ground). Coarse, fine, and powdered. Lb. 10 cts.; 5 lbs. 35 cts.; 10 lbs. 60 cts.; 25 lbs. $1.25; 100 lbs. $4.

Leaf Mold. Pk. 50 cts.; bus. $1.50; bbl. $3.25.

Lawn Mower Oil. Pt. 25 cts.; qt. 35 cts.; ½gal. 65 cts.; gal. $1.10; 5 gals. $4.25.

Peat, Orchid. Selected. Sack $3.25.
Jersey. Bbl. $3.25.

Moss, Sphagnum, Dry. 5-bbl. bale $4.50.
Sphagnum, Live. Bbl. $3.25.
Green Lump. Bbl. $3.25.
Green Sheet. $2.25 per 10-lb. bale.
Peat. (Imported.) Excellent for mulching rose beds, shrubbery and evergreens; also excellent for lawns. 50 lbs. $1.50; 100 lbs. $2.50; bale (about 200 lbs.) $4.50.

Propagating Sand. Bbl. $3.

Pebbles. Qt. 10 cts.; pk. 75 cts.; bus. $2.50; bbl. sack $5.

Soil for Potting. Pk. 40 cts.; bus. $1.50; bbl. $3.25.

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Planting Calendar

FEBRUARY

(In hotbed)

Artichoke
Early Cabbage
Early Cauliflower
Celery
Eggplant
Leek
Onion
Parsley
Pepper
Radish
Tomato

MARCH

(In hotbed)

All seeds mentioned in February table and

Kohlrabi
Lettuce
Early Beets
Potato
Radish
Rhubarb Roots
Spinach
Swiss Chard
Salsify
Turnip

Set out plants of

Early Cabbage
Early Lettuce
Early Cauliflower
Early Beets
Onion

APRIL

(In hotbed)

All seeds mentioned in February and March tables also

Cucumber
Melon

(Plant outdoors)

Asparagus
Asparagus Roots
Beets
Early Cabbage
Carrot
Early Cauliflower
Celery
Cress
Kohlrabi
Lettuce
Mustard
Onion Seed
Onion Sets
Parsley
Parsnips
Peas

MAY

(Plant outdoors)

Artichoke
Asparagus
Bush Beans
Lima Beans
Beets
Carrot
Cauliflower
Celery
Sweet Corn
Cucumber
Late Cabbage
Late Cauliflower
Endive
Kale
Kohlrabi
Leek
Lettuce
Melon
Onion
Parsley
Peas
Radish
Salsify
Spinach
Squash
Swiss Chard
Herbs
Okra
Pumpkin
Brussels Sprouts
Turnip

Set out plants of

Early Cabbage
Lettuce
Early Cauliflower
Eggplant
Peppers
Tomato

JUNE

(Plant outdoors)

Bush Beans
Lima Beans
Beets
Brussels Sprouts
Late Cabbage
Carrot
Late Cauliflower
Sweet Corn
Cucumber
Endive
Kale
Kohlrabi
Lettuce
Melon
Okra
Peas
Pumpkin
Radish
Salsify
Swiss Chard
Squash
Rutabaga

Set out plants of

Celery
Eggplant
Peppers
Tomato

JULY

(Plant outdoors)

Beets
Carrot
Sweet Corn
Corn Salad
Cress
Cucumber
Endive
Kohlrabi
Okra
Pumpkin
Radish
Squash
Turnip
Rutabaga

Set out plants of

Celery
Late Cabbage
Late Cauliflower
Endive
Brussels Sprouts

AUGUST

(Plant outdoors)

Bush Beans
Corn Salad
Cress
Endive
Kale
Lettuce
Early Peas
Radish
Spinach
Turnip

SEPTEMBER

(Plant outdoors)

Corn Salad
Radish
Spinach

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